Advanced Video Imaging

Projection Color TV
Picture-In-Picture
MTS Stereo Audio
Surround Sound

*Return the Product
Registration Card,
and your TV
could be
FREE!*

ZENITH

ZENITH

ZENITH
WATCH US.

OPERATING GUIDE & WARRANTY
for model ...

PVR4663, PVR4664, PVR5263, PVR5264

¡Aviso para nuestros
clientes de habla hispana:
consulte la información que
aparece al final de este manual!

*recycled paper
50 percent*

```
┌─────────────────────┐
│       WARNING       │
│ RISK OF ELECTRIC SHOCK │
│     DO NOT OPEN     │
└─────────────────────┘
```

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Safety Tips

Refer to the "Safety Tips" booklet that came with your product for important safety considerations.

Note to Cable TV System Installer

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

Power-Cord Polarization

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other.) This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CAUTION

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

CONTENTS

FEATURES PROVIDED WITH YOUR TV

This operating guide describes a family of TV models. Not all models have all of the features described in this guide. Different control panels may be used from model to model. Most models include the following features:

● On-Screen Menus Accessed By Remote or TV Controls	● Audio/Video (A/V) Jacks
● Multi-Brand Programmable Remote Control	● Super-VHS A/V Input Jacks
● Picture-In-Picture	● Surround Sound System
● Automatic Channel Programming	● MTS Stereo with SEQ (Spatial Equalization)
● Favorite Channel Add/Delete	● Surround Sound Speaker Terminals
● Channel Labels (ABC, TNT, etc.) for Easy Channel Identification	● Variable Audio Output Jacks
● Multiple Input Sources	● Surround Sound Speakers (Optional)
● Source Identification (VCR, Cable, etc.)	● Sleep Timer and On/Off Timer
● Antenna/Cable and Loop Out Jacks	● Closed Caption and Text Modes
● 181 Channel Tuning	● Parental Control

INTRODUCTION

WELCOME

Welcome into the family of Zenith Color Television owners. This guide provides instructions on how to operate your new TV. It is supplemented by a booklet containing Safety Tips. We urge you to read these publications carefully so that you will receive full enjoyment from your new Zenith TV for many years to come.

Your new Zenith projection TV has been designed and built to give you the very best in quality, features and performance. There are many regional Zenith Authorized service centers throughout the U.S., Canada and Mexico who can attend promptly and effectively to ordinary service needs.

If you should have an unusual performance or service problem that cannot be satisfactorily resolved by your Zenith Authorized service center, call or write:

Zenith Electronics Corporation
Customer Service Department
1000 N. Milwaukee Avenue
Glenview, IL 60025
Telephone: (312) 745-5152
Mon-Fri, 8:00 a.m. - 4:30 p.m. Central Time

Send the model number, serial number, and date of purchase or original installation, with a full explanation of the problem and the service history. We will welcome the opportunity to look into your specific question or problem and to be of assistance in resolving it promptly.

The model and serial numbers of your new TV are located on the back of the TV cabinet. For your future convenience and protection, we suggest that you record these numbers here:

Model No. _____

Serial No. _____

INSTALLATION CONSIDERATIONS

Before you install your TV...

Ventilation — Proper ventilation keeps your TV running cool. Air circulates through perforations in the back and bottom of the cabinet. Do not block these vents or you will shorten the life of your TV.

Power Source — Your TV is designed to operate on normal household current, 120 volt 60 Hertz AC. Do not attempt to operate it on DC current.

Power Cord — Your power cord has a polarized plug as required by Underwriters' Laboratories. It has one regular blade and one wide blade and fits only one way into a standard electrical outlet. If the blades will not enter either way, your outlet is very old and non-standard. A new outlet should be installed by a qualified electrician.

Safe Operation — Your TV is manufactured and tested with your safety in mind. However, unusual stress caused by dropping or mishandling, exposure to flood, fire, rain or moisture, or accidental spilling of liquids into the TV, can result in potential electrical shock or fire hazards. If this happens, have your TV checked by a service technician before using it again.

Please read and observe each safety point in the "Safety Tips" folder when installing and using your TV.

VIDEO GAMES AND OTHER FIXED PATTERN DISPLAY CAUTION — If you use your TV for video games, teletext or other fixed displays, avoid setting the BRIGHTNESS control for an excessively bright picture. A bright, fixed pattern, if used for long periods of time, can result in a permanent imprint on the TV picture tube. You can reduce this possibility by alternating the use of the fixed pattern display with normal TV picture viewing, by turning down the CONTRAST control for sustained fixed pattern use, and by turning off the fixed pattern display when not in use.

PLUGGING IN YOUR TV — Be sure to plug your TV into an "unswitched" AC power source. The "switched" AC outlets found on some video equipment will not continue supplying power to the TV once the equipment is turned off. If the power to the TV is interrupted, you will have to reset the clock in the TV to the current time.

PICTURE SCREEN CLEANING — Use a soft cloth moistened with warm water and rub lightly in the soiled areas of the screen. DO NOT USE A TISSUE OR PAPER TOWEL, AS THESE MAY DAMAGE SURFACE. Wipe only in the vertical (up/down) direction (along the grooves). If there is a dirt buildup, a mild solution of warm water and Ivory dishwashing detergent may be used. Use dry soft cloth to dry the screen. Care should be taken to avoid scratches or damage to the screen surface.

NOTE — The TV screen is easily damaged. Avoid accidental contact with the screen.

STANDARD CONNECTIONS FOR YOUR TV

LOCATION OF USER ITEMS

Control Panel
(On top of TV)

Place VCR Shelf Here

TV Screen Protector
(Some TV models)

Additional
A/V Input Jacks

Built-in
speakers

Remote Control
(Point toward screen
to operate TV)

Connection
Center

Power Cord Entry

Front View of TV

Rear View of TV

CONNECTION CENTER

ANTENNA/CABLE 1 or 2
75-ohm antenna or cable-TV connection to your TV.
Attach your antenna, cable-TV line or VCR to these jacks.

VARIABLE AUDIO OUTPUT
Standard phono jack connectors for output to an
optional stereo amplifier or to external speakers.

**ANTENNA/CABLE 2
LOOP OUT TO
DECODER**
Routes the cable-TV input
to Antenna/Cable 2 back
to the cable box supplied
by the cable service.

MONITOR OUT
Audio and video output
jacks to route A/V to an
optional extra monitor or
other A/V component.
Whatever is currently be-
ing watched on your TV is
provided at these jacks.

STARSIGHT

STARSIGHT

VARIABLE
AUDIO
OUTPUT

RIGHT   LEFT
TO EXTERNAL AMP OR SPKR

CONTROL PORT

LOOP OUT
TO DECODER

ANTENNA
CABLE

2

ANTENNA
CABLE

1

SPEAKERS

INT [▯▯▯▯] EXT

MONITOR OUT

VIDEO   ┌AUDIO┐

VIDEO 1 IN

VIDEO 2 IN

VIDEO   ┌AUDIO┐

VIDEO   R AUDIO L

VIDEO   R AUDIO L

S-VIDEO 1 IN

LOOP OUT

S-VIDEO   R   L SURROUND SPKRS

SPEAKER EXT/INT
Select EXT (external) to
remove sound from the
TV's speakers.
Select INT (internal) to
hear sound from the
TV's speakers.

**SURROUND
SPEAKER
TERMINALS**
Connections for output to
optional surround sound
speakers.

VIDEO 1 or 2 IN
Jacks for audio and video input from a stereo
VCR or other A/V component. (You must
connect to these jacks in order to hear stereo
sound when playing a stereo tape.)

VIDEO 1 LOOP OUT
Use these to send the incoming audio
and video (from Video 1 In) to another
component, such as a second VCR.

S-VIDEO 1 IN
Jacks for audio and video input from
a Super-VHS VCR.

STANDARD CONNECTIONS FOR YOUR TV

OTHER JACKS ON TV (Some Models)

S-VIDEO 2 IN
Jacks for audio and video input from a second Super-VHS VCR.

VIDEO 3 IN
Jacks for audio and video input from a third stereo VCR or other A/V component.

BASIC CONNECTION TO TV WITHOUT VCR

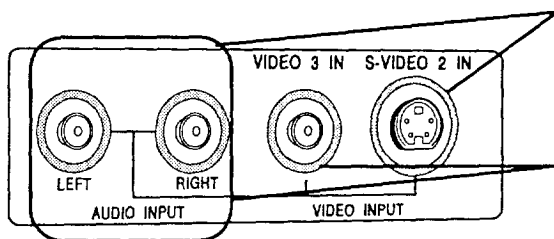If a VCR will not be connected to your TV, you have three basic connection options, as shown.

TURN OFF POWER OR UNPLUG TV BE-FORE MAKING ANY CONNECTION.
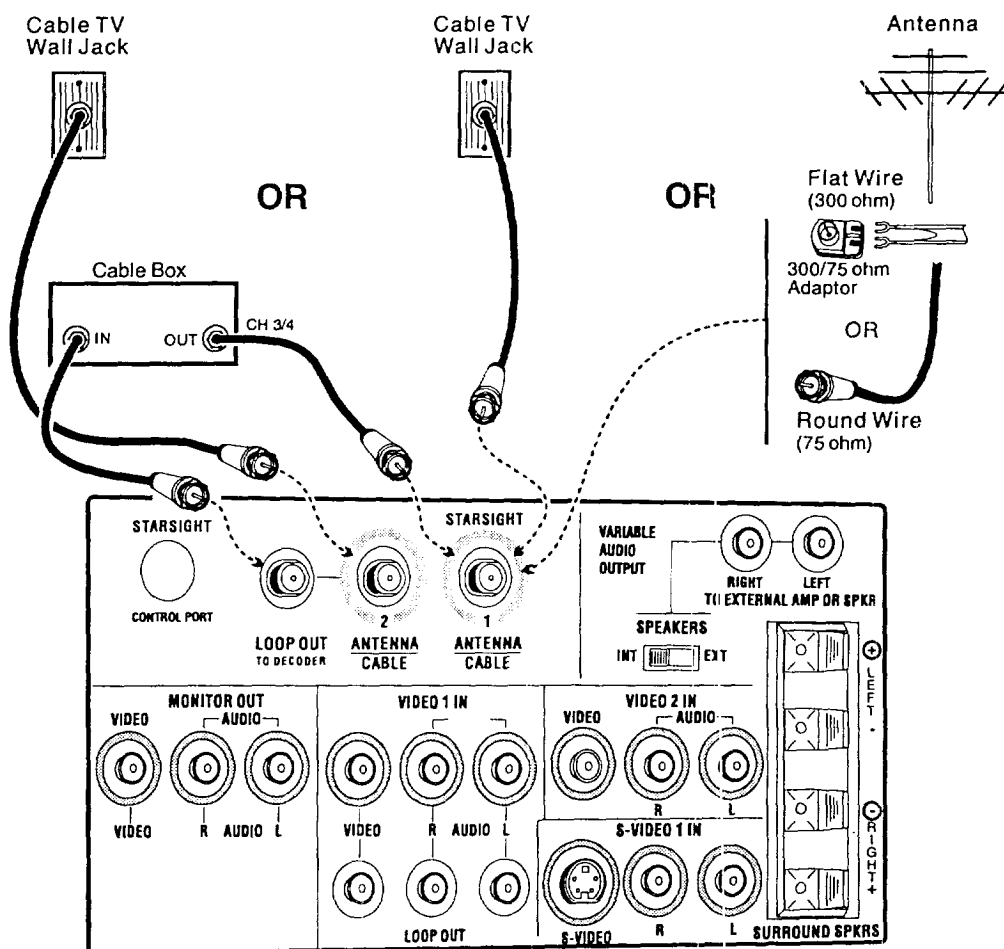
OPERATING YOUR TV	
With Cable Box	**Without Cable Box**
• Select Ant/Cable 1 in **Source Menu**.	• Select Ant/Cable 1 in **Source Menu**.
• Tune TV to cable box output channel (usually channel 3 or 4).	• Use TV to select channels for viewing.
• Use cable box to select channels for viewing.	

STANDARD CONNECTIONS FOR YOUR TV

BASIC CONNECTION TO TV WITH VCR

If you are connecting a VCR to your TV, you have three basic connection options, as shown.

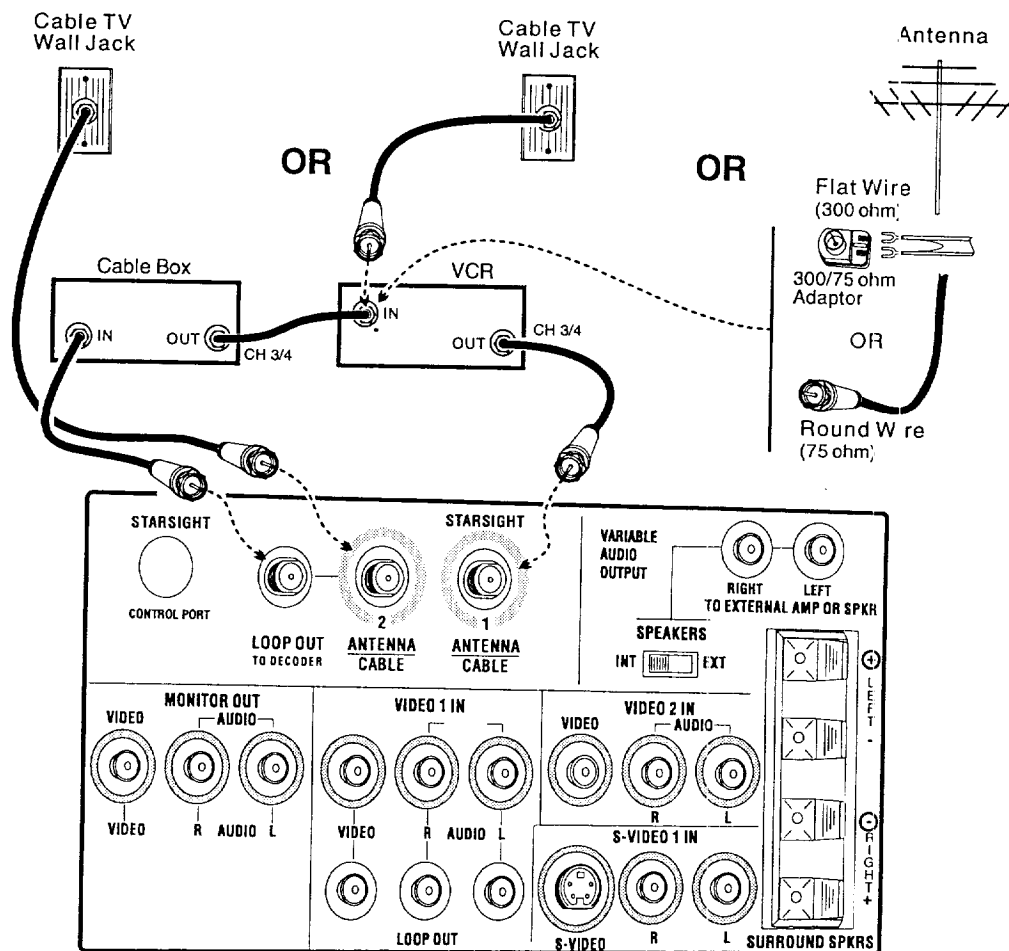| OPERATING YOUR TV		
VCR's TV/VCR* Switch Setting	With Cable Box	Without Cable Box
TV	• Select Antenna/Cable 1 in Source Menu. • Tune TV to cable box output channel (usually channel 3 or 4). • Use the cable box to select channels for viewing.	• Select Antenna/Cable 1 in Source Menu. • Use TV to select channels for viewing.
VCR	• Select Antenna/Cable 1 in Source Menu. • Tune VCR to cable box output channel (usually channel 3 or 4). • Tune TV to VCR output channel (usually channel 3 or 4). • Use the cable box to select channels for viewing.	• Select Antenna/Cable 1 in Source Menu. • Tune TV to VCR output channel (usually channel 3 or 4). • Use VCR to select channels for viewing.
* May be labeled TV/Video.		

STANDARD CONNECTIONS FOR YOUR TV

VCR CONNECTIONS TO TV

If you have a stereo VCR, or other stereo audio/video component, you must make the connections shown below in order to hear stereo sound from the component.
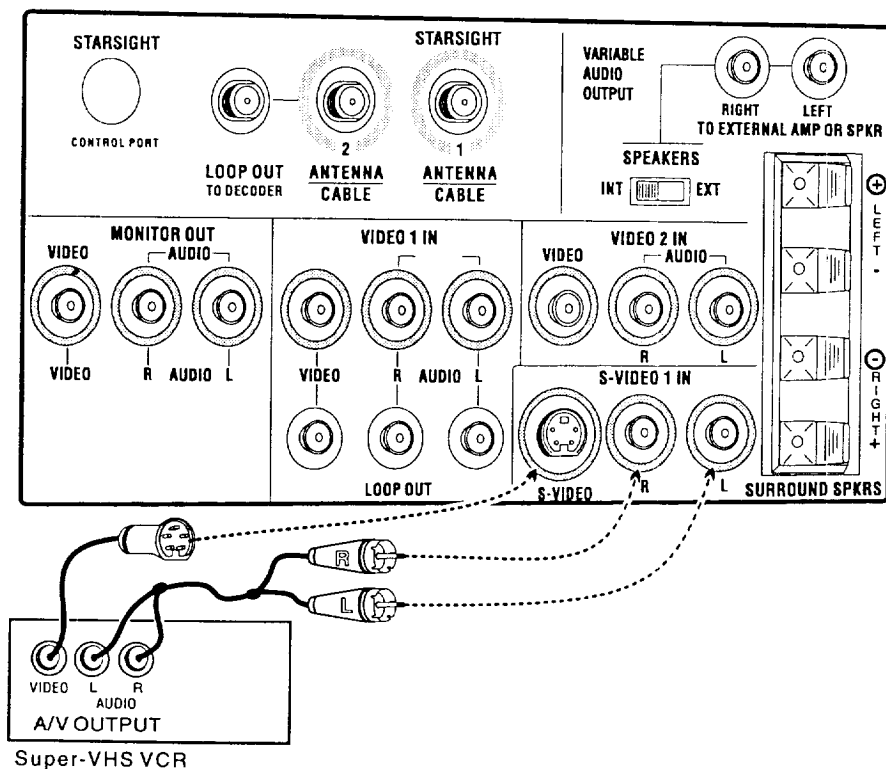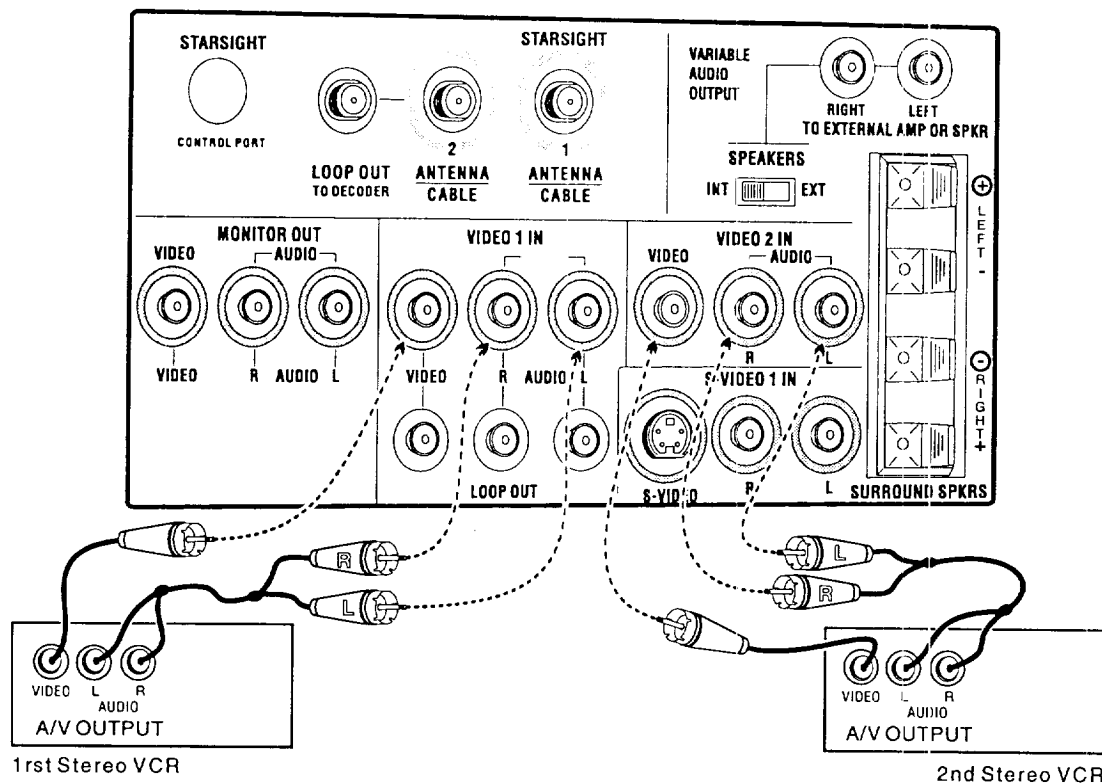
1rst Stereo VCR

2nd Stereo VCR

Super-VHS VCR

OPERATING YOUR TV USING A/V JACKS
• Select Video 1* from the Source Menu.
• Use VCR (or other component) to select channels for viewing. or,
• Watch a tape playing in the VCR.
* Select the Source in the Source Menu that corresponds to the jacks to which the A/V component is connected.

2936-O

1 — 4

STANDARD CONNECTIONS FOR YOUR TV

AUDIO/VIDEO (A/V) CONNECTIONS FOR OPTIONAL VIDEO EQUIPMENT

Connections to VIDEO 3 IN or S-VIDEO 2 IN jacks.
(Some TV models only.)
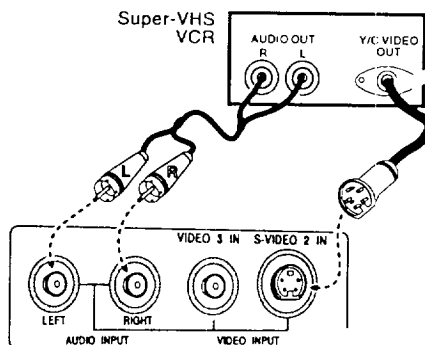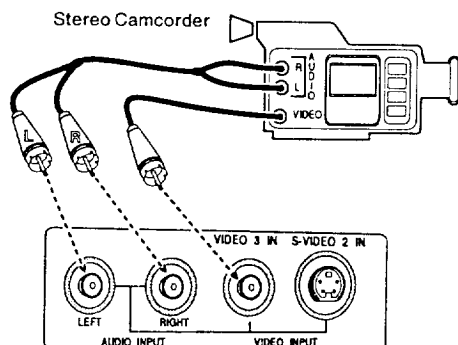

OPERATING YOUR TV USING A/V JACKS

- Select Video 1* from the Source Menu.
- Use VCR (or other component) to select channels for viewing. or,
- Watch a tape playing in the VCR.

* Select the Source in the Source Menu that corresponds to jacks to which the A/V component is connected.

OPTIONAL AUDIO AMPLIFIER/SURROUND SOUND CONNECTIONS TO TV

If you wish to listen to the TV audio through an external amplifier or stereo system, or listen to surround sound audio, make the connections to the TV shown in the illustration below.
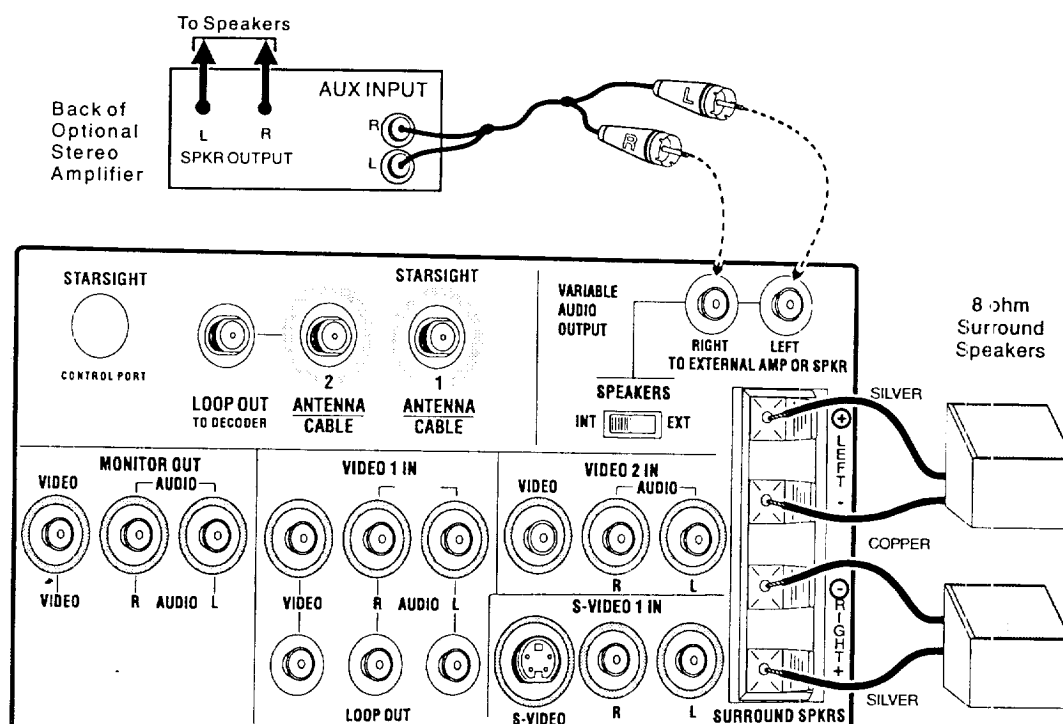
DIFFERENT WAYS TO LISTEN TO YOUR TV		
TV Speakers On	**TV Speakers Off**	**Surround Sound**
• SPEAKER EXT/INT switch in the **INT** (internal) position — TV speakers are ON. Sound is heard from both the TV's speakers and the external amplifier's speakers. • Use **TV's volume control** to raise and lower the level of sound being heard from both sets of speakers.	• SPEAKER EXT/INT switch in the **EXT** (external) position — TV speakers are OFF. Sound is only heard from the speakers connected to the external amplifier. • Use **TV's volume control** to raise and lower the level of sound being heard from the amplifier's speakers.	• Connect surround sound speakers as shown. The level of surround sound will vary, depending on the program being viewed. Note that not all programs have surround sound audio. • The SURROUND SPKR terminals are always active. The SPEAKERS EXT/INT switch does not affect the operation of surround sound speakers.

STANDARD CONNECTIONS FOR YOUR TV

CONNECTIONS FOR USING PIP

The illustrations that follow show the three most common connections for using Picture-In-Picture (PIP). For further information on the actual use of PIP, refer to the "PIP OPERATION" section of this operating guide.
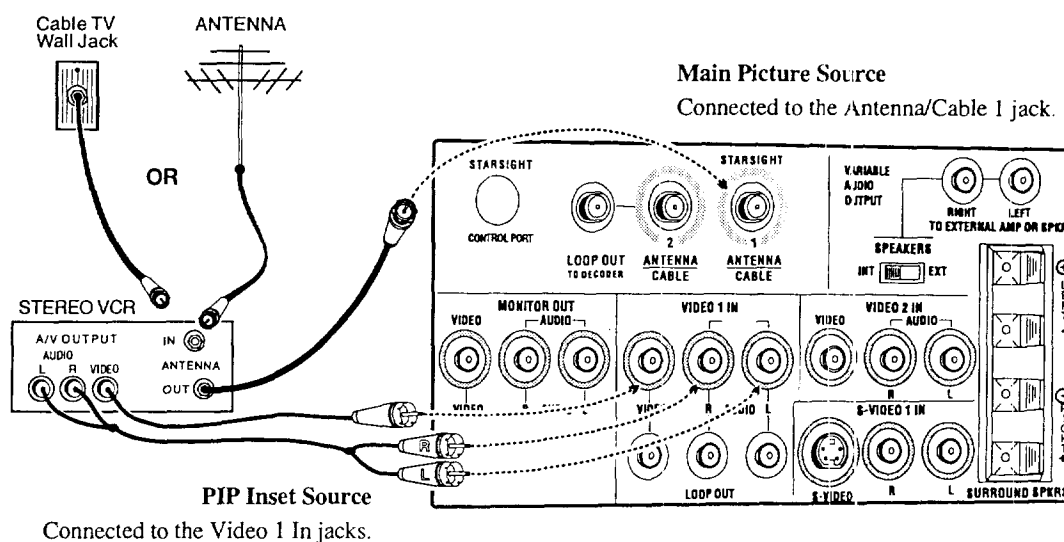
Option 1: Antenna or Direct Cable Connection To VCR.
(Optional cables are not supplied with television.)

Option 2: Direct Cable Connection via Loop Out To VCR.
(Optional cables are not supplied with television.)

Cable TV
Wall Jack

Main Picture Source
Connected to the Antenna/Cable 1 or 2 jack.

CABLE BOX

STARSIGHT   STARSIGHT

IN
ANTENNA
OUT

Out from
Cable-TV
Decoder

STEREO VCR

A/V OUTPUT
AUDIO
L   R   VIDEO

IN
ANTENNA
OUT

VARIABLE
AUDIO
OUTPUT
RIGHT   LEFT
TO EXTERNAL AMP OR SPKR

CONTROL PORT

LOOP OUT   ANTENNA   ANTENNA
TO DECODER   CABLE   CABLE

SPEAKERS
INT   EXT

MONITOR OUT
VIDEO   AUDIO

VIDEO 1 IN

VIDEO   VIDEO 2 IN
         AUDIO
         R   L

LEFT −

S-VIDEO 1 IN

LOOP OUT   S-VIDEO   R   L   SURROUND SPKRS

RIGHT +

PIP Inset Source
Connected to the Video 1 In jacks.
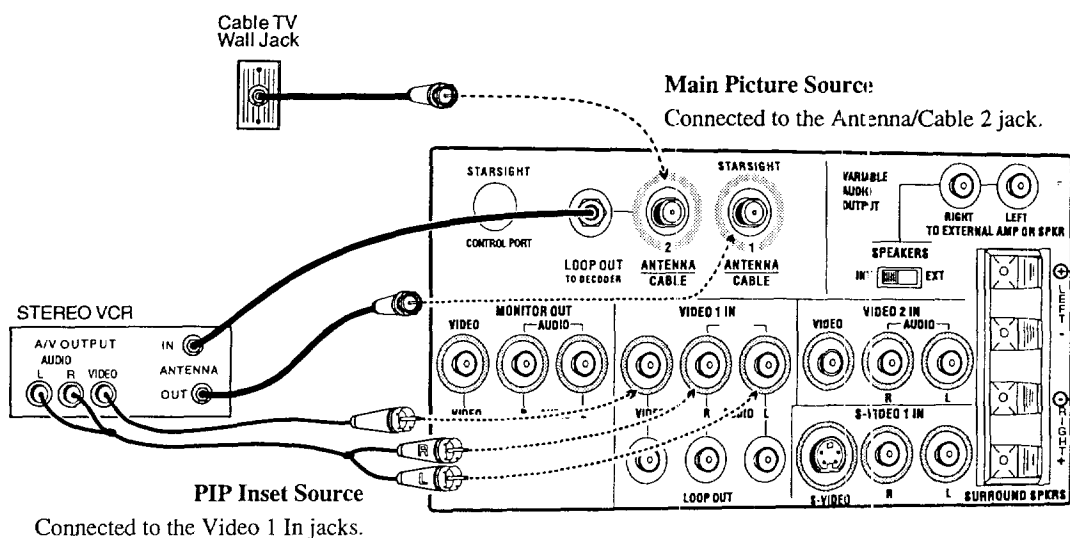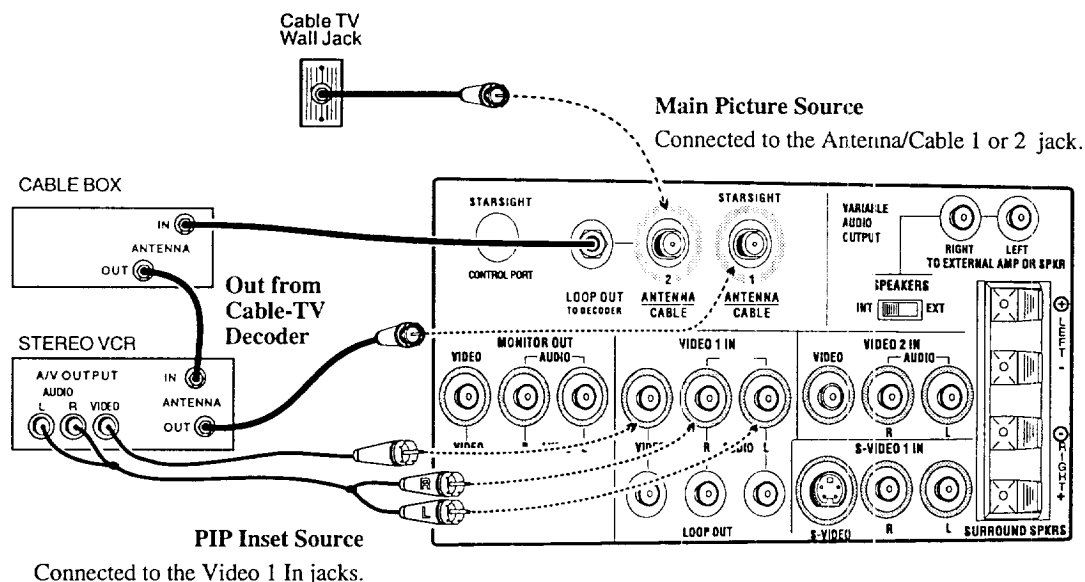
Option 3:   Cable-TV Decoder Connection via Loop Out To VCR.
(Optional cables are not supplied with television.)

SCREEN PROTECTOR (Some Models)

Some TVs are equipped with a pre-installed Screen Protector. If it should be necessary to remove or adjust the protector, "peel" the extrusions away from the TV to separate the two-part Velcro fastener, being careful not to damage or pull away the adhesive backing strips from the Screen Frame.

To Clean the TV Screen (Under the protector)

Use a soft cloth moistened with warm water and rub lightly in the soiled areas of the projection screen. **DO NOT USE A TISSUE OR PAPER TOWEL AS THESE MAY DAM-AGE THE SCREEN SURFACE.**

Wipe only in a vertical, up and down direction (along the grooves in the screen). If there is a dirt buildup, a mild solution of warm water and Ivory dish washing detergent may be used. Use a dry soft cloth to dry the Projection Screen and Screen Protector. Care should be taken to avoid scratches or damage to the screen surface.

NOTE:

- **The TV screen is easily damaged. Avoid accidental contact with the screen.**

Label
Toward
Viewer

Extrusions   Screen   Screen
                    Protector   Frame

Velcro
Strip

Screen
Frame

Projection
Screen

Screen
Protector

Extrusion

Air Space

Tab rests against
Screen Frame.
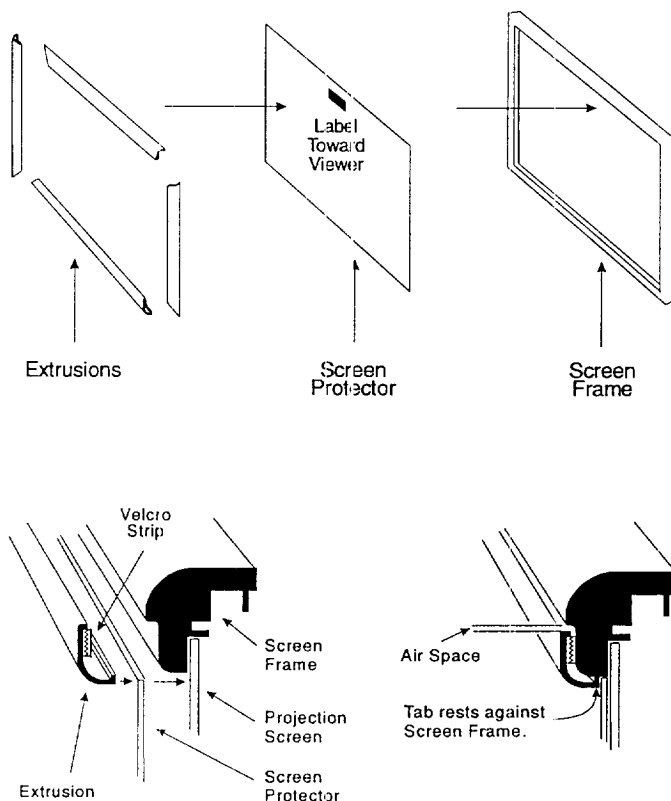
THE FIRST TIME YOU OPERATE YOUR TV

TYPICAL CONTROL PANEL

The control panel on your TV may differ from the one shown but its operation is the same.

SELECT (SEL)
Press during on-screen menu operations to select a menu option.

ENTER (ENT)
Press to see the Channel/Time display, or to remove any on-screen display or menu.

VOLUME (VOL) Up/Down
Press to increase or decrease the sound level.

OFF-ON
Press to turn TV power ON or OFF.
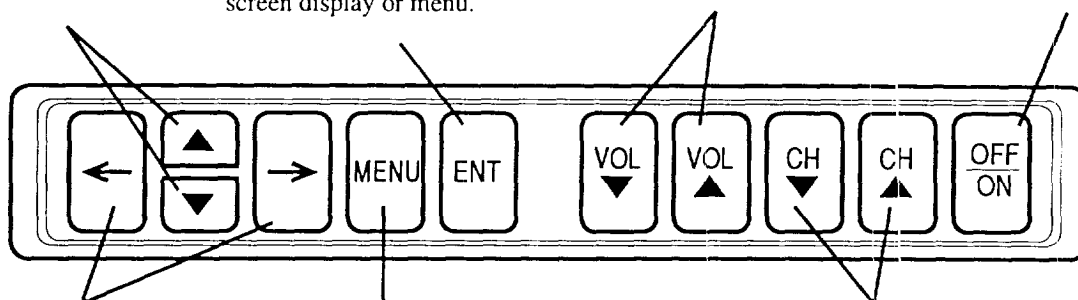
ADJUST (ADJ) Left/Right
Press during on-screen menu operation to see information/status display for selected option. Press again to adjust the selected menu option.

MENU
Press once to see a menu. Press repeatedly to sequence through the available menus.

CHANNEL (CH) Up/Down
Press to select channels higher or lower than the current channel. To add or delete channels stored in the scanning sequence, see CH. ADD/DEL option.

STEP 1. CONNECT THE POWER

1. Plug your TV into an unswitched AC power source.
2. Turn the TV on by pressing OFF-ON.
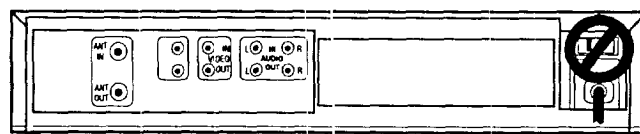
Do not plug TV into switched outlet on a VCR or cable-TV decoder

---

STEP 2. SELECT YOUR MAIN VIEWING SOURCE

A TV source refers to the equipment connected to the TV that supplies the picture and sound to your TV. You select the viewing source by using the SOURCE MENU.

To view the Source Menu

1. Press SOURCE to display the **Source Menu**.
2. Press the Left or Right arrow keys to select **Main Source** column.
3. Press the Up or Down arrow keys to select the source which corresponds to the jack on the connection panel that is receiving the input signal.
4. Press QUIT to remove the menu.

Main Source	PIP Source
Ant/Cable 1	Ant/Cable 1
Ant/Cable 2 Video 1 Video 2 S-Video 1	Video 1 Video 2 S-Video 1

◄► Main/PIP   ↑↓ To Select Source

Source Menu with Main Source column highlighted and ANT/CABLE 1 as the selected source. Connection must made to ANT/ CABLE 1 jack on connection panel.

STEP 3. USE AUTO PROGRAM

When your TV is first powered up, **Auto Program** will be selected in the **Setup Menu**. **Auto Program** finds all available channels on the currently selected source and stores them in the memory of the TV.

To start the Auto Program procedure, press the Left or Right arrow key. Follow the instructions on the TV.

```
┌─────────────────────────┐
│ Auto Program            │
├─────────────────────────┤
│ Ch. Add/Del             │
│ Ch. Labels              │
│ Source ID               │
│ Clock Set               │
│ Timer Setup             │
│ Parental Ctl            │
│ Caption/Text            │
│ Background              │
└─────────────────────────┘
```

```
┌─────────────────────────┐
│ Press ◄► To Program     │
└─────────────────────────┘
```

Setup Menu with Auto Program Highlighted

```
┌─────────────────────────┐   ┌─────────────────────────┐   ┌─────────────────────────┐   ┌─────────────────────────┐
│ PRESS ↑↓ TO CHANGE      │   │                         │   │                         │   │                         │
│ INPUT SELECTION         │   │ SEARCHING CABLE TV TYPE │   │ SEARCHING CABLE TV      │   │ AUTO PROGRAM HAS        │
│                         │→  │                         │→  │                         │→  │ COMPLETED               │
│ OFF AIR ANTENNA         │   │                         │   │                         │   │                         │
│ ┌──────────┐            │   │                         │   │                         │   │ _ _ _ CHANNELS FOUND    │
│ │ CABLE TV │            │   │                         │   │                         │   │                         │
│ └──────────┘            │   │                         │   │ CHANNEL _ _ _ IS        │   │                         │
│ PRESS ←→ TO BEGIN SEARCH│   │                         │   │ (NOT) FOUND             │   │                         │
└─────────────────────────┘   └─────────────────────────┘   └─────────────────────────┘   └─────────────────────────┘
```
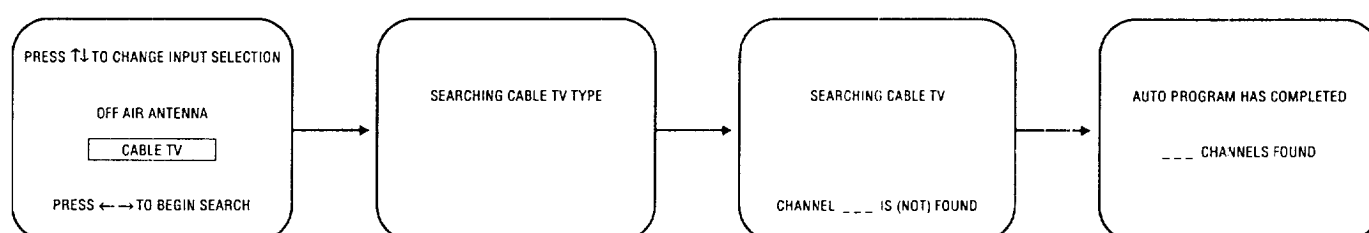
1 Press ↑↓ to select either OFF AIR ANTENNA or CABLE TV.

2 Press ← → to begin channel search.

3 Wait a few seconds for the TV screen to clear.

STEP 4. SET THE CLOCK

1. Press MENU on your remote until the SETUP ICON is selected, displaying the Setup Menu.
2. Press the Up or Down arrow key to select **Clock Set**.
3. Use the numbered buttons on the remote control to enter the correct time and press the TIMER button to select AM or PM. You can also use the Left or Right keys to advance the clock.
4. Press ENTER to start the clock and remove the menu.

```
┌─────────────────────────┐
│ Auto Program            │
│ Ch. Add/Del             │
│ Ch. Labels              │
│ Source ID               │
├─────────────────────────┤
│ Clock Set               │
├─────────────────────────┤
│ Timer Setup             │
│ Parental Ctl            │
│ Caption/Text            │
│ Background              │
└─────────────────────────┘
```

```
┌─────────────────────────┐
│ ◄      10:30 AM      ►   │
└─────────────────────────┘
```

Setup Menu with Clock Set Highlighted

STEP 5. USE OTHER OPTIONS

You may want to consider using the following options:

- Delete undesirable channels or add additional channels: Refer to the **Ch. (Channel) Add/Del** option for details.

- Adjust options in the **Audio** and **Video Menus**.

- Label channels (such as ABC) that appear in the Channel/ Time display: Refer to the **Ch. (Channel) Labels** option for details.

- Use the Parental Control feature to block the viewing of undesirable channels: Refer to the **Parental Ctl.** option for details.

REMOTE CONTROL MBR3455

INTRODUCTION

This multi-brand remote control operates the common features of most, but not all, models and brands of IR (infrared) controlled TVs, VCRs, cable converters, video disc players, and audio equipment. The remote may provide functions that are not available on your equipment, e g., menu operations. Some functions of your particular equipment may not be controlled by this remote. In such cases, use the original remote control for your equipment.

BATTERY INSTALLATION

Batteries are provided , but they must be installed before using the remote control. When it no longer functions normally, or when it loses memory, replace the batteries with two high-quality, alkaline, size AAA batteries. Match plus with plus (+ with +), minus with minus (- with -), as shown in the battery compartment.

Unless your equipment responds to the factory preset codes commonly used for Zenith products, i.e.., 101 for TV, 201 for VCR, 353 for CABLE, and 401 for AUX., you will need to program the remote control with the codes for your particular equipment.

NOTES:

* Do not to place heavy objects on top of the remote control keys. Prolonged unintentional operation of the remote shortens battery life.

* Remove the batteries if the remote control will not be used for a month or more. **Battery leakage can permanently damage the remote, for which Zenith is not responsible.**

Push tab in
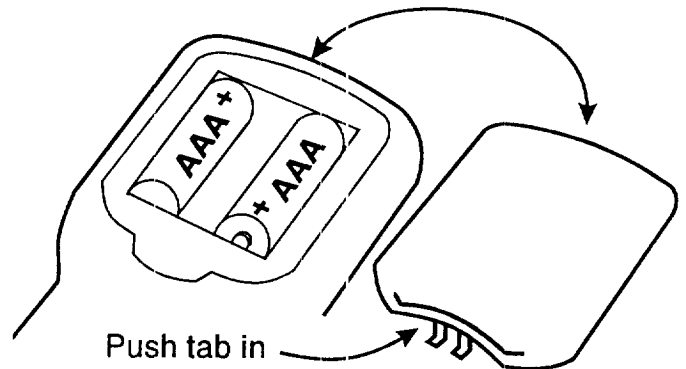
CHOOSING OPERATING MODE

To control your TV, VCR, cable box, or auxiliary equipment with this remote, you must first choose the mode of operation. Press the desired mode key for **TV, VCR, CABLE** or **AUX.**

Some keys on the remote will always operate a particular product function. For example, **VOLUME** controls the TV sound level, and **PLAY** controls the VCR play function.

INDICATOR LIGHT

Illuminates whenever remote sends signal.

OPERATING MODE KEYS

Selects equipment to be controlled.

NUMBER KEY PAD

Provides direct channel selection and other functions.

LOWER ARROW KEY PAD

These keys typically perform on-screen menu selection and adjustment.
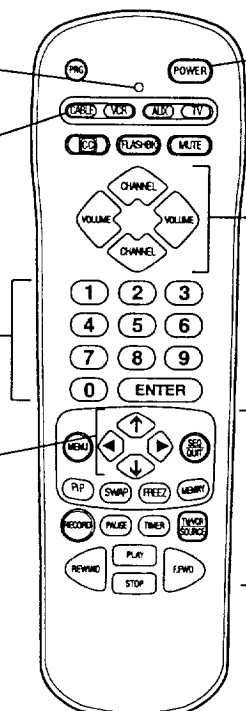
POWER KEY

Switches power ON or OFF to selected equipment.

UPPER ARROW KEY PAD

These keys typically control Channel changing and Volume operations.
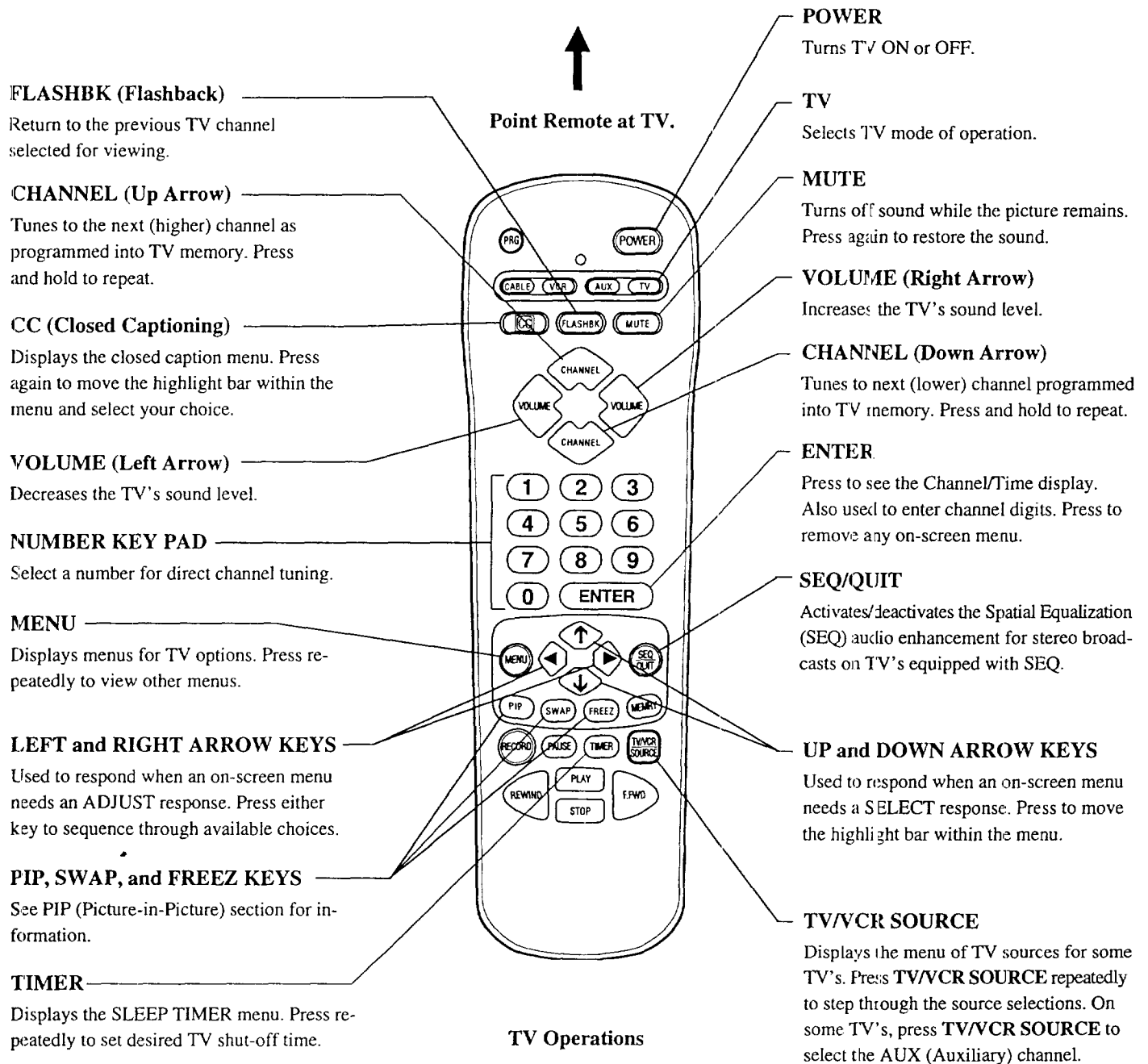
SPECIAL FUNCTION KEYS

Activates special features on some products.

TV OPERATIONS

These descriptions apply to functions and operations of your TV.
First, press the **TV** button on the remote control to select the
TV mode of operation.

Point Remote at TV.

FLASHBK (Flashback)

Return to the previous TV channel
selected for viewing.

CHANNEL (Up Arrow)

Tunes to the next (higher) channel as
programmed into TV memory. Press
and hold to repeat.

CC (Closed Captioning)

Displays the closed caption menu. Press
again to move the highlight bar within the
menu and select your choice.

VOLUME (Left Arrow)

Decreases the TV's sound level.

NUMBER KEY PAD

Select a number for direct channel tuning.

MENU

Displays menus for TV options. Press re-
peatedly to view other menus.

LEFT and RIGHT ARROW KEYS

Used to respond when an on-screen menu
needs an ADJUST response. Press either
key to sequence through available choices.

PIP, SWAP, and FREEZ KEYS

See PIP (Picture-in-Picture) section for in-
formation.

TIMER

Displays the SLEEP TIMER menu. Press re-
peatedly to set desired TV shut-off time.

TV Operations

POWER

Turns TV ON or OFF.

TV

Selects TV mode of operation.

MUTE

Turns off sound while the picture remains.
Press again to restore the sound.

VOLUME (Right Arrow)

Increases the TV's sound level.

CHANNEL (Down Arrow)

Tunes to next (lower) channel programmed
into TV memory. Press and hold to repeat.

ENTER

Press to see the Channel/Time display.
Also used to enter channel digits. Press to
remove any on-screen menu.

SEQ/QUIT

Activates/deactivates the Spatial Equalization
(SEQ) audio enhancement for stereo broad-
casts on TV's equipped with SEQ.

UP and DOWN ARROW KEYS

Used to respond when an on-screen menu
needs a SELECT response. Press to move
the highlight bar within the menu.

TV/VCR SOURCE

Displays the menu of TV sources for some
TV's. Press TV/VCR SOURCE repeatedly
to step through the source selections. On
some TV's, press TV/VCR SOURCE to
select the AUX (Auxiliary) channel.

NOTE: Keys dedicated to VCR functions may be used to op-
erate your VCR while the remote is in TV mode.

REMOTE CONTROL MBR3455

OPERATIONAL MODES FOR ZENITH PRODUCTS USING FACTORY PRESET CODES

Pushbutton or Key Label	TV Mode Zenith Code 101	VCR Mode Zenith Code 201	Cable Mode Zenith Code 353	AUX Mode Zenith Code 401
POWER	TV Power On/Off	VCR Power On/Off	Cable Power On/Off	AUX Power On/Off
CABLE	Selects Cable Mode	Selects Cable Mode	Selects Cable Mode	Selects Cable Mode
VCR	Selects VCR Mode	Selects VCR Mode	Selects VCR Mode	Selects VCR Mode
AUX	Selects AUX Mode	Selects AUX Mode	Selects AUX Mode	Selects AUX Mode
TV	Selects TV Mode	Selects TV Mode	Selects TV Mode	Selects TV Mode
CC	TV Closed Captions	VCR AM/PM	CABLE FC (Favorite Ch.)	AUX Audio
FLASHBK	TV Flashback	VCR Flashback	CABLE Flashback	AUX Frame/Time
MUTE	TV Mute	TV Mute	TV Mute (See Note 1)	TV Mute
CHANNEL UP	TV Channel Up	VCR Channel Up	CABLE Channel Up	AUX Skip >>
CHANNEL DN	TV Channel Dn	VCR Channel Dn	CABLE Channel Dn	AUX Skip <<
VOLUME RIGHT	TV Volume Up	TV Volume Up	TV Volume Up (See Note 1)	TV Volume Up
VOLUME LEFT	TV Volume Dn	TV Volume Dn	TV Volume Dn (See Note 1)	TV Volume Dn
1	TV Digit 1	VCR Digit 1	CABLE Digit 1	AUX Digit 1
2	TV Digit 2	VCR Digit 2	CABLE Digit 2	AUX Digit 2
3	TV Digit 3	VCR Digit 3	CABLE Digit 3	AUX Digit 3
4	TV Digit 4	VCR Digit 4	CABLE Digit 4	AUX Digit 4
5	TV Digit 5	VCR Digit 5	CABLE Digit 5	AUX Digit 5
6	TV Digit 6	VCR Digit 6	CABLE Digit 6	AUX Digit 6
7	TV Digit 7	VCR Digit 7	CABLE Digit 7	AUX Digit 7
8	TV Digit 8	VCR Digit 8	CABLE Digit 8	AUX Digit 8
9	TV Digit 9	VCR Digit 9	CABLE Digit 9	AUX Digit 9
0	TV Digit 0	VCR Digit 0	CABLE Digit 0	AUX Digit 0
ENTER	TV Enter	VCR Enter	CABLE Enter	AUX Display
MENU	TV Menu	VCR Menu	CABLE Menu	AUX Program
UP ARROW	TV Select Up	VCR Select Up	CABLE Up Arrow	AUX Part
DOWN ARROW	TV Select Dn	VCR Select Dn	CABLE Down Arrow	AUX Random
LEFT ARROW	TV Adjust Left	VCR Adjust Left	CABLE Left Arrow	AUX x3 FAST <
RIGHT ARROW	TV Adjust Right	VCR Adjust Right	CABLE Right Arrow	AUX x3 FAST >
SEQ/QUIT	TV SEQ Sound	VCR Quit	CABLE Quit	AUX Clear
PIP/A	TV PIP	VCR VCR+	CABLE Day Up	AUX Repeat-Side
SWAP/B	TV PIP Swap	VCR Channel Map	CABLE Day Down	AUX Repeat-A-B
FREEZ/C	TV PIP Freeze	VCR Search	CABLE Pg Up/★	AUX Repeat-Chap
MEMRY/D	No Function	VCR Memory	CABLE Pg Dn/#	AUX Memory
TIMER	TV Timer	VCR Timer	CABLE Timer	AUX Still
TV/VCR/SOURCE	TV Source	VCR TV/VCR Tuner	CABLE Info	AUX Tv/Disc
RECORD	VCR Record	VCR Record	CABLE Buy	AUX Edit
PAUSE	VCR Pause	VCR Pause	CABLE Guide	AUX Pause
REWIND	VCR Rewind	VCR Rewind	VCR Rewind	AUX Scan <<
PLAY	VCR Play	VCR Play	VCR Play	AUX Play
STOP	VCR Stop	VCR Stop	VCR Stop	AUX Stop/Eject
FFWD	VCR Fast Forward	VCR Fast Forward	VCR Fast Forward	AUX Scan >>

NOTES:

1. Can be overwritten with Cable Vol/ Mute when 399 is entered.

Reference: 124-212-03 and

µP 221-952A

REMOTE CONTROL MBR3455

PROGRAMMING YOUR REMOTE

If you are using Zenith products, the remote is programmed for the most commonly used codes. For other brands — or if your remote fails to control your Zenith products — you will have to program the remote.

Follow these steps for each product you are using:

1. Look up the three-digit code for your brand (such as Zenith) and type of equipment (such as VCR) in the code table provided.

2. Press and hold **PRG** with a small blunt object until the indicator lights (about three seconds).

3. Press **TV, VCR, CABLE,** or **AUX** to select the product you want your remote to control. (Use CABLE or AUX, to program your remote for a second TV or VCR. Use AUX, to program your remote for a video disc player or audio equipment.)

4. Key in the three-digit code for your equipment, then press **ENTER.** The indicator light should flash, then turn off to indicate that the code was accepted. If the indicator stays on, repeat steps 3 and 4 or try using a different code.

5. Write the code that operates your equipment, on the label inside the battery compartment for future reference.

To erase all code programming and return to the factory preset codes, key in code **911** when programming the remote.

NOTES:

- If no key on your remote is pressed within 60 seconds, the programming process stops, and you will have to start again.

- You may cancel programming at any time by pressing **PRG.**

SPECIAL FEATURES

AUX+1, AUX+2 and AUX+3 Capability

Your remote can control up to seven electronic components. If you have programmed the remote for four components using the **TV, VCR, CABLE** and **AUX** keys, you may also program it for up to three additional components (**AUX+1, AUX+2, AUX+3**) by **HOLDING** the **AUX** key and pressing the **1, 2** or **3** key during programming. Once programmed, **HOLD** down the **AUX** key and press **1, 2** or **3**, to access the additional **AUX +1, 2** or **3** mode.

Cable/Converter Volume (Code 399)

You may use your remote to control cable/converter volume and muting if available on your equipment. First program your remote with the brand code for your cable device using the **CABLE** or **AUX** key. Then repeat the programming steps, again using the **CABLE** or **AUX** key, **but key in code 399** instead of a brand code.

To restore TV volume/mute to the **CABLE** or **AUX** mode, simply re-enter yoûr cable converter code number into that mode.

Amplifier Volume Override (Code 499)

You may use your remote to override your TV, VCR or video disk player's volume functions with your amplifier's volume and muting. First, program your remote with the brand code for the component for which you want amplifier volume override, using the key for that product: TV, VCR or AUX. Then, program your remote with the brand code for your amplifier. Finally, repeat the programming steps, using the key for the component you wish to control (TV, VCR, or AUX), **but key in code 499** instead of a brand code.

To restore normal volume and muting control to your TV, program any code into the mode where the audio amplifier code is programmed.

NOTE:

- CD and tape players will automatically select amplifier volume and mute.

AUTO FIND OPTION

If you have tried all the codes listed for your brand and type of product in the code table, and none of those codes operate your equipment, you can use Auto Find to search for the code you need.

Follow these steps for each product you are using:

1. Turn the product ON and aim the remote toward it.

2. Press and hold **PRG** with a small blunt object until the indicator lights (about three seconds).

3. Press the mode key on the remote for the product you want to control: **TV, VCR, CABLE,** or **AUX.**

4. Key in "**000**", then press **ENTER** within two seconds. When the indicator light flashes three times and remains lit, Auto Find is active.

5. Press and hold POWER, then release it, repeating this action about once a second until the product turns OFF.

6. Press **ENTER** immediately to save the code. If your remote fails to operate the functions you use most often, you can re-enter Auto Find and search for a better code.

NOTES:

• The indicator light should flash OFF when you press **POWER** and back ON when you release it. If the indicator light stays on when you press **POWER**, Auto Find has tried all available codes. If you finish Auto Find and the product you want to control has not turned off, your remote cannot control that product.

• Pressing **PRG** at any time during the use of Auto Find will cancel Auto Find, and you will have to start again.

ON
POWER
OFF

Equipment to be controlled

Typical Remote Control
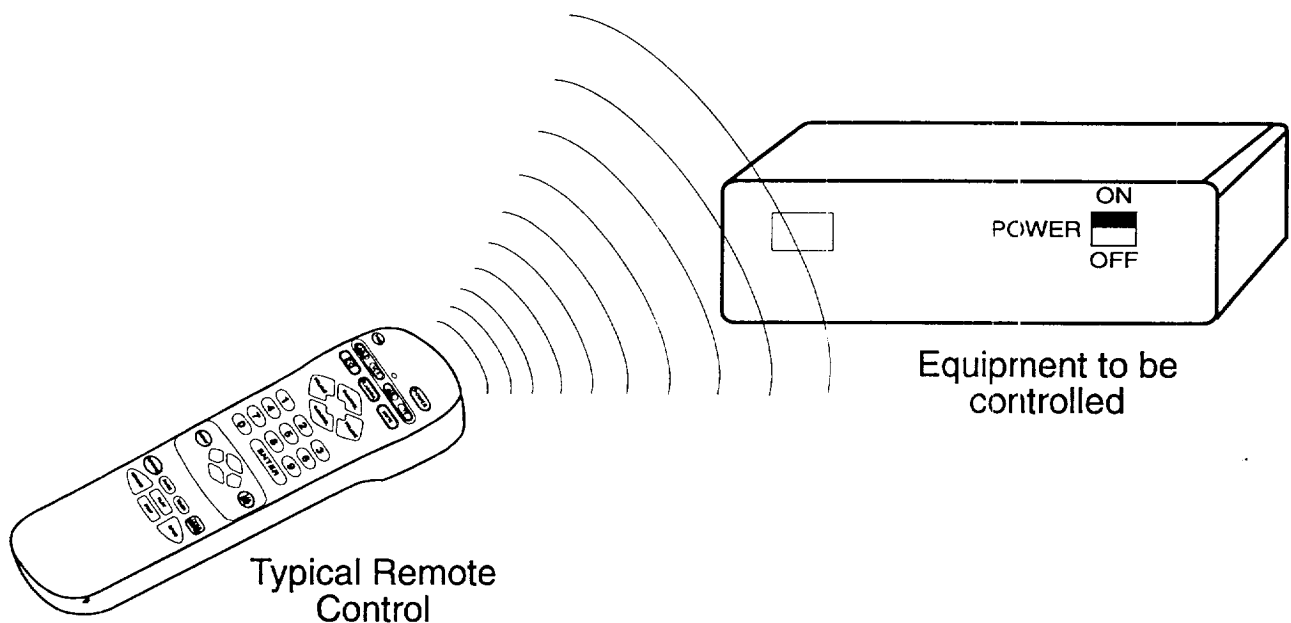
OPERATING CODES BY BRAND NAME

TVS

Brand	Codes
Admiral	116, 121, 130, 133
Adventura TV/VCR	154
Akai	104
Amark	103, 146
AOC	104
Bell & Howell	121
Broksonic	131, 136
Candle	139
Centurion	119
Citizen	121, 139
Contec	141
Coronado	103
Crown	103
Curtis Mathes	116, 119, 121
Daewoo	149, 159
Daewoo TV/VCR	148
Daytron	119
Elektra	121
Emerson	103, 104, 123, 124, 131, 136, 145
Emerson TV/VCR	158
Fisher	109, 118
Funai TV/VCR	154
General Electric	106, 107, 114, 116, 117, 161
Goldstar	103, 104, 119, 147
Goldstar TV/VCR	153
Hitachi	102, 103, 129, 163
J.C. Penney	104, 110, 114, 117, 119
JVC	125, 132, 164
KMC	103
KTV	103, 104, 138
Kurazai	121
Lodgenet	121
Logik	121
LXI	118, 119, 133, 137
Magnavox	103, 112, 113, 117, 119, 127, 128, 139, 165
Magnavox TV/VCR	173
Majestic	121
Marantz	104, 120, 155
Megatron	146
Memorex	121
MGA/Mitsubishi	104, 119, 120, 130, 140, 155
Montgomery Ward	103, 104, 105, 113, 114, 119, 121, 130, 133
NEC	104, 119
Panasonic	106, 107, 160, 166
Panasonic TV/VCR	174
Philco	103, 104, 112, 113, 139
Philips	112, 113
Pioneer	135
Portland	103
ProScan	116, 157, 162, 167
Quasar	106, 107
RCA	104, 116, 126, 157, 161, 162, 167, 168
Realistic	105, 123, 124
Sampo	119
Samsung	103, 119, 134, 141
Sanyo	108, 109, 118
Scott	119, 124
Sears	103, 108, 109, 110, 111, 118, 134
Sharp	103, 105, 122, 133, 137, 156, 169
Signature 2000	103, 104, 105, 113, 114, 119, 121, 130, 133
Sony	115, 143, 151, 170
Soundesign	139
Sylvania	112, 113, 117, 119, 127, 128, 139
Symphonic TV/VCR	154
Tatung	106
Teknika	103, 112, 121, 124, 139
Telerent	103, 121
Toshiba	110, 111, 134, 171
XR1000	121
Yorx	119
Zenith	101, 149, 175
Zenith TV/VCR	153, 154, 172

VCRS

Brand	Codes
Admiral	208, 261
Adventura	231
Aiwa	231
Akai	223, 238, 241
Audio Dynamics	202, 218
Bell & Howell	206, 247
Broksonic	221, 226, 250, 255
Canon	214
Citizen	209
Craig	212
Curtis Mathes	214, 259
Daewoo	244, 246, 248, 254
Daytron	236, 246
DBX	202, 218
Emerson	203, 221, 223, 226, 233, 235, 243, 250
Fisher	211, 212, 213, 247
Funai	231
General Electric	214, 216, 220
Goldstar	209
Go Video	256, 262, 263
Hitachi	215, 257
Instant Replay	214, 227
J.C. Penney	214, 215, 218, 227
JVC	202, 225, 258
Kenwood	202
Logik	239
LXI	209, 231
Magnavox	207, 214, 231
Marantz	207, 218
Marta	209
Memorex	206, 212, 214, 231
Mitsubishi	204, 222, 252, 264
Montgomery Ward	208, 214, 216, 219, 231, 249
Multi Tech	239
NEC	202, 218
Orion	250
Panasonic	214, 251, 259
Pentax	215
Philco	207, 214
Philips	207, 214, 227
Pioneer	210, 215
Portland	246
Pro Scan	216, 260
Quasar	214, 259
RCA	215, 216, 220, 227, 240, 242, 260
Realistic	206, 208, 212, 214, 231
Samsung	220, 230
Sansui	239
Sanyo	206, 212, 247
Scott	204, 205, 233, 243
Sears	206, 209, 211, 212, 215
Sharp	208, 261
Shintom	239
Signature 2000	208, 214, 216, 219, 231, 249
Sony	217, 232, 237
Sylvania	207, 214, 227
Symphonic	231
Tashiko	209
Tatung	202
Teac	202, 231
Teknika	234
Toshiba	205, 215
XR1000	239
Vector Research	204, 218
Yamaha	202, 218
Zenith	201, 224, 225, 229, 237

CABLE/SATELLITE

Brand	Codes
Allegro	358, 362
Allegro A/B Switch	361
Gemini	305, 331, 338
General Electric	367
General Instrument	305, 306
Hamlin	302, 303, 345, 365, 366
Jerrold	304, 307, 308, 309, 310, 318, 360, 363
Kale Vision	335
Macom	314, 321
Magnavox	334
NSC	335, 339, 358, 369, 370
Oak	311, 332, 342
Panasonic	313, 320
Paragon	333
Philips	347, 350, 352, 354, 355
Pioneer	315, 343
RCA DSS	373
Regency	329
Samsung	335
Scientific Atlanta	316, 323, 336, 364
Sprucer	313
Standard Comp	335
Texscan	339, 356, 371
Tocom	317, 318, 346
Unika	348, 362
United Satellite	344
Universal	358, 362
Vid Tech	340
Video Way	349
Viewstar	354, 355, 372
Zenith	301, 353, 374
Zenith Satellite	312, 328, 330, 351

VIDEO DISK PLAYERS

Brand	Codes
Pioneer	402, 403
Sanyo	401
Sony	404
Zenith	401

AUDIO CD PLAYERS

Brand	Codes
Akai	409, 424
Crown	410
Denon	411
Fisher	412, 438
Goldstar	460
Harman/Kardon	413
JVC	415
Kenwood	412, 416, 417, 441
Magnavox	421, 422, 431, 434
Mitsubishi	423, 424
NAD	425, 426, 441
Nakamichi	427, 428
NEC	429
Onkyo	430
Panasonic	431, 432
Philips	421, 433, 434
Pioneer	431, 435
Quasar	432
Radio Shack	431, 436, 439, 440, 441
RCA	437
Sanyo	438, 439
Scott	440
Sharp	441, 442
Sony	443, 444, 445
Soundesign	461, 498, 501, 502
Sylvania	433
Teac	446
Technics	432, 459
Toshiba	447
Yamaha	448
Zenith	460, 461, 498, 501, 502

AUDIO TAPE DECKS

Brand	Codes
Denon	455
Harman/Kardon	456
JVC	457
Kenwood	450
Onkyo	458
Philips DCC	454
Pioneer	451, 478
Sony	452
Technics	454, 497
Yamaha	453

AUDIO TUNERS AND AMPLIFIERS

Brand	Codes
Denon	462, 463
Fisher	464
Goldstar	460
Harman/Kardon	465
JVC	466
Kenwood	468, 469
Marantz	472, 503
Onkyo	473
Philips	475, 476
Pioneer	477, 478, 479
Radio Shack	487, 488
Realistic	480
Sanyo	481
Scott	482
Sharp	483
Sherwood	487, 488
Sony	489, 490, 491, 492
Soundesign	461, 498, 501, 502
Teac	494, 495
Technics	497
Yamaha	496
Zenith	460, 461, 498, 501, 502

Ref: 124-212-03 and
µP 221-952A

# QUICK REFERENCE TO MENUS

AVAILABLE MENUS

Your TV is **icon** and **menu** operated. In other words, an icon is selected at the top of the TV screen and a menu of adjustment options appears.

SOURCE	SETUP	AUDIO	VIDEO	PIP

Auto Program
Ch. Add/Del
Ch. Labels
Source ID
Clock Set
Timer Setup
Parental Ctl
Caption/Text
Background

Highlighted Icon
The menu for the selected icon appears below the icons.

PIP Inset
A PIP inset appears while the Source icon is selected to show the result of selecting a PIP source.
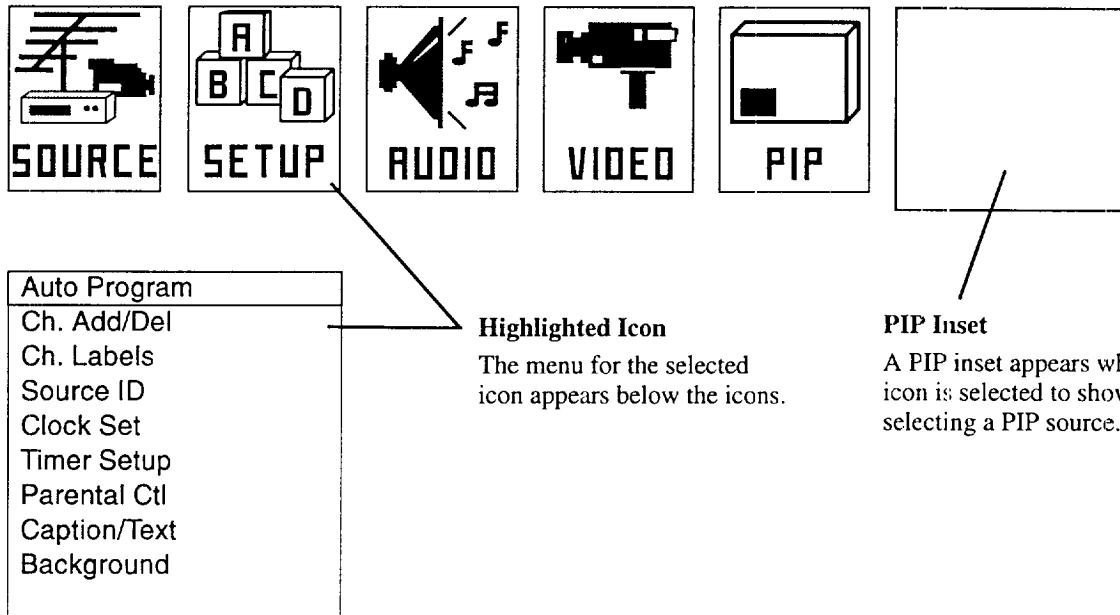
BASIC MENU OPERATION

1. Press MENU repeatedly to choose between available menus.

2. Press the Up or Down arrows repeatedly until the desired option is highlighted.
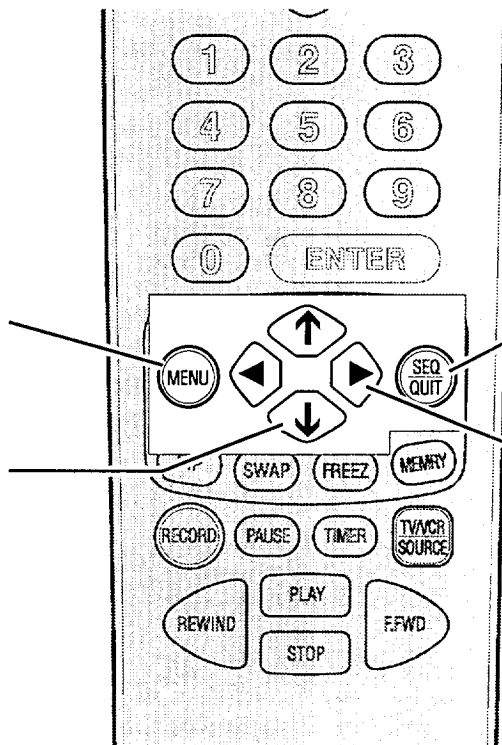
4. Press QUIT to remove menus or wait a few seconds and the TV will return automatically to normal operation.

3. Press the Left or Right arrows to adjust or change a selected option.

Typical Remote Control

SOURCE MENU

Main Source	PIP Source
Ant/Cable 1	**Ant/Cable 1**
Ant/Cable 2	
Video 1	Video 1
Video 2	Video 2
S-Video 1	S-Video 1

◄► Main/PIP   ↑↓ To Select Source

```
CH 2
10:56
STEREO
```

```
VIDEO 1
10:56
```

**Channel/Time Display
for Ant/Cable Source
Shows Channel Number**

**Channel/Time Display
for A/V Source Shows
VIDEO 1 or VIDEO 2**
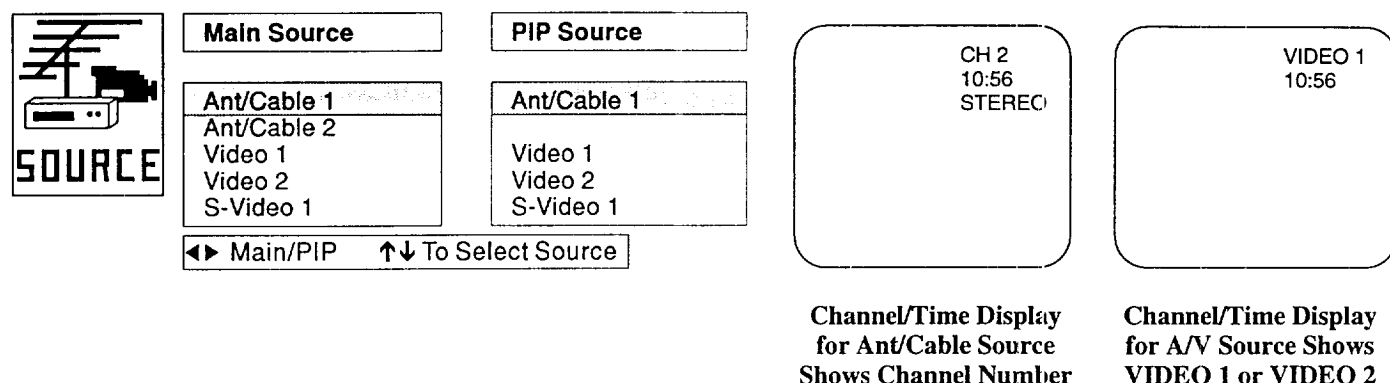
MENU OPERATION
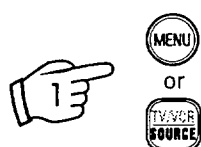
Press SOURCE for direct entry to the **Source Menu**, or press MENU repeatedly until the Source Menu is selected.
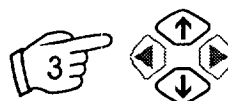
Press the Up/Down keys to choose the desired input source.
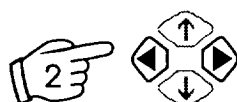
Press the Left/Right keys to select either Main Source column or PIP Source column.

Press QUIT or wait a few seconds for the TV to return to normal operation.

SOURCE SELECTION

ANT/CABLE 1 or 2	Routes the antenna or cable-TV source to the TV for viewing. You see program material from whichever signal source is connected to the ANT/CABLE 1 or 2 jack. (If the signal is from a VCR or a cable box, tune the TV to either channel 3 or 4.)
VIDEO 1, 2 or 3	Routes the audio and video from an A/V source (such as a VCR or a video disc player) to the TV for viewing. The source must be connected to the corresponding VIDEO 1, 2 or 3 IN jacks.
S-VIDEO 1 or 2	Routes the audio and video from an auxiliary Super-VHS video source (such as a VCR or a video disc player) to the TV for viewing. The source must be connected to the corresponding S-VIDEO 1 or 2 IN jacks.

Refer to the "Standard Connections for Your TV" section to make the proper equipment connections to the TV. For information about PIP sources, refer to the "PIP Operation" section.
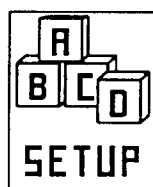
SOURCE IDENTIFICATION
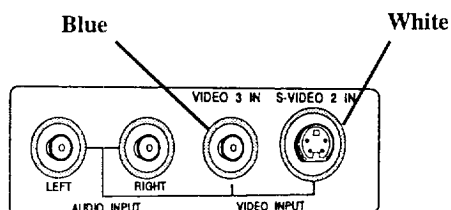
Auxiliary A/V Jacks (Some TV Models)
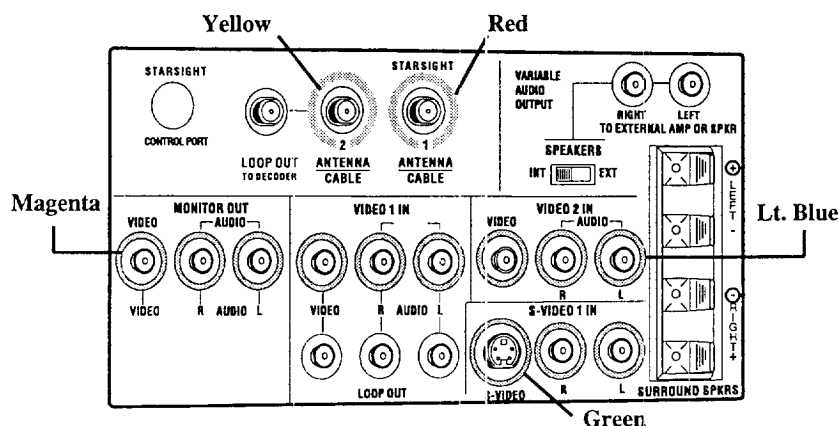
Connection Center on Back of TV

SETUP MENU

```
┌─────────────┐   ┌──────────────────────┐      ┌──────────────────────┐
│  ┌─┐        │   │ Auto Program         │      │ Source ID            │
│  │A│        │   ├──────────────────────┤      │ Clock Set            │
│ ┌─┴─┐┌─┐    │   │ Ch. Add/Del          │      │ Timer Setup          │
│ │B ││C│ D   │   │ Ch. Labels           │      │ Parental Ctl         │
│ └──┘└─┘     │   │ Source ID            │      │ Caption/Text         │
│             │   │ Clock Set            │      │ Background           │
│  SETUP      │   │ Timer Setup          │      └──────────────────────┘
└─────────────┘   │ Parental Ctl         │
                  │ Caption/Text         │
                  │ Background           │
                  └──────────────────────┘

                  ┌──────────────────────┐      ┌──────────────────────────┐
                  │ Press ◄► To Program  │      │ Press ◄► To Label Sources │
                  └──────────────────────┘      └──────────────────────────┘

                                            While a Video or Super-Video Source is Chosen
```

MENU OPERATION

1. (MENU) — Press MENU repeatedly until the SETUP MENU is shown.

3. (↑◄►↓) — Press the Left/Right keys to adjust the selected option.

2. (↑◄►↓) — Press the Up/Down keys until the desired option is either highlighted or selected.

4. (SEQ QUIT) — Press QUIT or wait a few seconds for the TV to return to normal operation.

Auto Program	Finds all active channels and stores them in the TV's memory for use by CHANNEL up/down. See "THE FIRST TIME YOU OPERATE YOUR TV" for more details.
Ch. (Channel) Add/Del	Edits the channels found by Auto Program to create your own personal list of favorite channels. See the information following this chart for more details.
Ch. (Channel) Labels	Assigns a network/station label, name or call letters to specified channels. For example, if you choose the label "ABC" for channel 9, then "ABC" will appear in the Channel/Time display whenever channel 9 is selected. See the information following this chart for more details.
Source ID	Assigns a descriptive "name" to the input sources. For example, the Video 1 source may be named VCR. "VCR" will now appear in the Source Menu as a reminder that your VCR is connected to the Video 1 input jacks.
Clock Set ´	Sets the clock in the TV to the correct time. Press the Left/Right keys to advance the 24-hour clock, or use numbered buttons on the remote to enter time. Press ENTER to start the clock.
Timer Setup	Sets the TV's **Sleep Timer** and **On/Off Timer** features. See the information following this chart for more details.
Parental Ctl. (Control)	Use this feature to block viewing of any undesirable channels or an entire input video source. See the information following this chart for more details.
Caption/Text	Displays closed captioning or informational text when available on the selected channel. Options are: **OFF, CAPTION 1, CAPTION 2, CAPTION 3, CAPTION 4, TEXT 1, TEXT 2, TEXT 3**, or **TEXT 4**. See the information following this chart for more details.
Background	Adds or removes a solid-color background behind the on-screen menus.

SETUP MENU

USING CH. (CHANNEL) ADD/DEL

Add Channels to Scan	Delete Channels from Scan
• Press the Up/Down keys to select **Ch. Add/Delete**.	• Press the Up/Down keys to select **Ch. Add/Delete**.
• Press Left/Right keys to view the add/delete screen.	• Press Left/Right keys to view the add/delete screen.
• Use the Left/Right and Up/Down keys to move selector to the channel being added.	• Use the Left/Right and Up/Down keys to move selector to the channel being deleted.
• Add the channel by pressing SOURCE until the display shows **Added**.	• Delete the channel by pressing SOURCE until the display shows **Deleted**.

NOTE:

• Ch. Add/Del can only be used with ANT/CABLE 1 or 2 Source selection.

• The audio of deleted channels is muted.

Selector Highlight   Available Channels

Live view of selected channel.

Channel

Status

Instructions

Use Down key to move selector to additional numbers if present.

Available channels are:

Broadcast Band — VHF 2 to 13, UHF 14 to 83
CATV, HRC and ICC Bands — 1 to 139

USING CHANNEL LABELS

Assign Labels	Remove/Prevent Labels
• Press the Up/Down keys to select **Ch.Labels**.	• Press the Up/Down keys to select **Ch.Labels**.
• Press Left/Right keys to view the Channel Label screen.	• Press Left/Right keys to view the Channel Label screen.
• Select a channel by pressing the CHANNEL Up/Down keys.	• Select a channel by pressing the CHANNEL Up/Down keys.
• Use the Left/Right and Up/Down keys to move selector to the desired label.	• Use the Left/Right and Up/Down keys to move selector to the four dashes or NONE.

NOTE:

• Selecting the four dashes (- - - -) specifies that no channel label is assigned. Or, in addition to not assigning a label, **NONE** blocks the station or network labels that are transmitted by some television stations.

Selector Highlight   Available Labels

Live view of selected channel.

Current Channel

Selected Label

Press Down arrow for more labels.

USING SOURCE ID

Assign Names To Your Sources
• In the Setup Menu, press the Up/Down keys to select **Source ID**.
• Press the Left/Right keys to view the Source ID screen.
• Press the Up/Down keys to choose a Source.
• Press the Left/Right keys to Label the chosen Source.

VIDEO GAMES AND OTHER FIXED PATTERN DISPLAY CAUTION

If you use your TV for video games or other fixed displays, avoid setting the BRIGHTNESS control for an excessively bright picture. A bright, fixed pattern, if used for long periods of time, can result in a permanent imprint on the TV picture tube. You can reduce this possibility by alternating the use of the fixed pattern display with normal TV picture viewing, by turning down the CONTRAST control for sustained fixed pattern use, and by turning off the fixed pattern display when not in use.

Live view of selected Source.

Source	Label
Ant/Cable 1	Cable
Ant/Cable 2	Antenna
Video 1	VCR
Video 2	VCR 2
S-Video 1	Video Game

NOTE:

• Disabling a Source prevents it from appearing in the Source Menu.

Optional names for ANT/CABLE 1 or 2 Sources are:

----, Disabled, Antenna, Cable, Cable Box, Satellite, VCR, StarSight (Ant/ Cable 1 only).

Optional names for VIDEO Sources are:

----, Disabled, VCR, VCR2 Camcorder, Video Game, Laser Disc, Audio Only, Satellite.
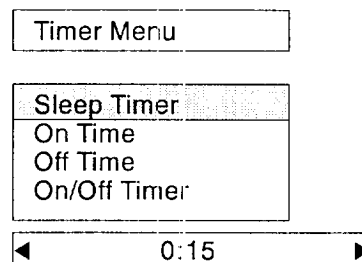
SETUP MENU

TIMER SETUP: Sleep Timer

The **Sleep Timer** allows you to program the TV to automatically turn itself off after a period from 15 minutes up to 4 hours. Before the Timer Menu can be used, you must set the time on the TV. See "THE FIRST TIME YOU OPERATE YOUR TV" section of the operating guide.
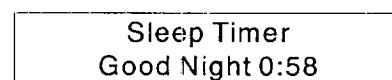
SET SLEEP TIMER	
From Setup Menu	**Direct Access**
• Press the Up/Down keys to select **Timer Setup** and view the **Timer Menu**.	• With no menus showing on the TV, press TIMER on your remote to directly access the Sleep Timer.
• Press the Up/Down keys to select Sleep Timer.	• Press TIMER repeately to set the period of time the TV will remain on.
• Use the Left/Right keys to set the period of time the TV will remain on.	
• One minute before the TV turns off, the GOOD NIGHT display appears on the screen. At this time you have a choice of the following two actions.	
• Do nothing. The GOOD NIGHT display remains on the screen. The TV will turn off in one minute.	
• Delay the turn-off by resetting the timer with a new time period.	

NOTES:

• To cancel the Sleep Timer, turn off the TV or return to the Timer Menu and set it to OFF.

• As the Good Night display counts down the final 60 seconds, the audio and video of the TV also "dim" for a soft, discreet turn-off.

```
Timer Menu
```

```
Sleep Timer
On Time
Off Time
On/Off Timer
```

```
◄        0:15        ►
```

Timer Set to Turn TV OFF in 15 Minutes

```
Sleep Timer
Good Night 0:58
```

"Good Night" Display Appears 60 Seconds Before Shut-Off

TIMER SETUP: On/Off Timer

The **On/Off Timer** allows you to program the TV to automatically turn itself on at a specific time then turn itself off at another time. Before the Timer Menu can be used, you must set the time on the TV. See "THE FIRST TIME YOU OPERATE YOUR TV" section of the operating guide.

Set On/Off Timer
• Press the Up/Down keys to select **Timer Setup**
• Press Up/Down keys to select **On Time**. and use the numbered buttons on your remote to enter a time for the TV to turn itself ON. Press TIMER on the remote to select AM or PM. (You can also use the Left/Right keys to advance the time.)
• Press Up/Down keys to select Off Time and use the numbered buttons on your remote to enter a time for the TV to turn itself OFF. Press TIMER on the remote to select AM or PM. (You can also use the Left/Right keys to advance the time.)
• Press Up/Down keys to select On/Off Timer and use ADJUST on remote to turn timer ON (or OFF).

NOTE:

• A time must be set for either On Time or Off Time in order to turn the timer ON.

```
Timer Menu
```

```
Sleep Timer
On Time
Off Time
On/Off Timer
```

```
◄      11:00 AM      ►
```
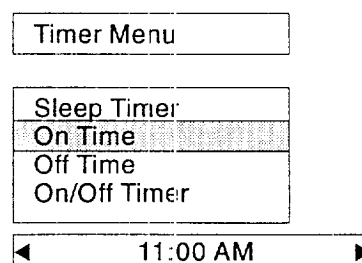
On/Off Timer Set to Turn TV ON at 11:00 am

USING PARENTAL CONTROL (PC)

Block Entire Source	Block Individual Channels
• Press the Up/Down keys to select **Parental Ctl**.	• Press the Up/Down keys to select **Parental Ctl**.
• Press Left/Right keys to view the **PC Menu**.	• Press Left/Right keys to view the **PC Menu**.
• Select **Block Hours** and use Left/Right keys to set the length of time PC will be active: OFF, 12, 24, 48 or 72 hours.	• Select **Block Hours** and use Left/Right keys to set the length of time PC will be active: OFF, 12, 24, 48 or 72 hours.
• Select **Block Source** and use Left/Right keys to completely Block the current input source.	• Select **Block Channels** and use Left/Right and Up/Down keys to select channels.
• To block another source, press SOURCE key and set them to Block.	• Press SOURCE to set channels to Block or Unblock.

• Press ENTER twice to exit PC and enter any 4-number password when prompted to do so. **REMEMBER THIS NUMBER! TO RE-ACCESS PARENTAL CONTROL WHILE IT IS ACTIVATED, YOU MUST ENTER THIS NUMBER.** Otherwise, simply allow the specified period of time to elapse.

NOTE:

• Do not unplug the TV in an attempt to deactivate the Parental Control. This only resets Parental Control.

• If you re-access Parental Control while it is activated to block additional channels or sources, or to reset the time period, upon exiting you will be prompted to change the password. Either press ENTER to accept the current password or enter a new 4-number password.

Parental Control Menu

Block Hours — Period of time PC will be active.
Block Source — Blocks entire source.
Block Channels — Blocks individual channels for Ant/Cable 1 or 2 sources. (Does not appear if the entire Ant/Cable source is blocked by Block Source.)

◄ OFF ►

1	2	3	4	5	6
7	8	[9]	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78

Ch 9 — Live view of selected channel. Channel

Unblocked — Status

Press Source To Change — Instructions

USING CAPTIONS

Activating Captions (With CC Button)	Activating Captions (From Setup Menu)
• Press CC button on remote.	• Press the Up/Down keys to select Caption/Text.
• Press CC repeatedly to toggle through the five choices: Off, Caption 1, Caption 2, Caption 3 And Caption 4.	• Press Left/Right keys to toggle through the nine choices: Off, Caption 1, Caption 2, Caption 3, Caption 4, Text 1, Text 2, Text 3, Or Text 4.

NOTE:

• At present, very few TV programs or video tapes offer text captioning for any option other than **CAPTION 1**. Therefore, **CAPTION 1** is the only recommended choice, unless you know that a specific program is providing captioning using one of the other selections.

Hello! Are you
out there?
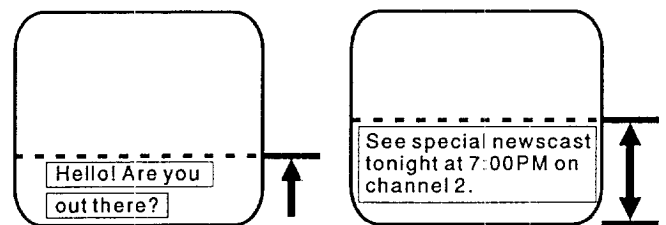
Typical Captions Display

Captions may be shown anywhere on the screen.

See special newscast
tonight at 7:00PM on
channel 2.

Typical Text Display

Fixed size text window fills lower half of screen.

AUDIO MENU

Bass	
Treble	
Balance	
Audio	
SEQ	
Surround	

◄————————┼—⊡————►

CH 2
10:56
STEREO

**Audio Mode Shown in
Channel/Time Display**
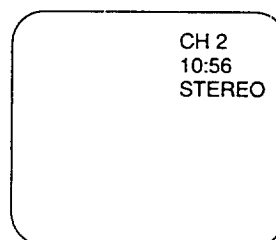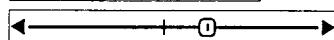
STEREO is selected and a stereo signal is being received. You will hear stereo sound.

MENU OPERATION

Press MENU repeatedly until the AUDIO MENU is shown.

Press the Left/Right keys to adjust the selected option.

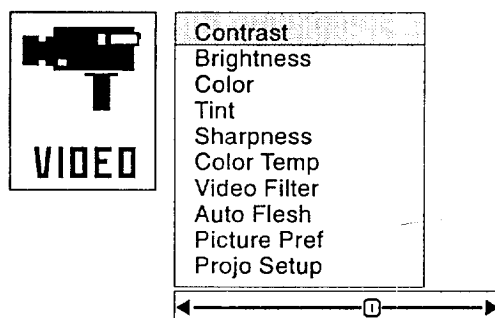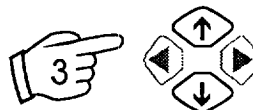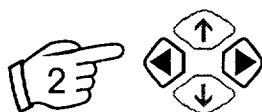Press the Up/Down keys until the desired option is either highlighted or selected.

Press QUIT or wait a few seconds for the TV to return to normal operation.

Bass	Adjusts the BASS (low-frequency) level.	
Treble	Adjusts the TREBLE (high-frequency) level.	
Balance	Adjusts the balance of sound between the two speakers.	
Audio (SAP is not an option for the video sources. Audio signals received from a video source are assumed to be monaural or stereo.)	Allows you to select STEREO, MONO or 2ND AUDIO/SAP operation. See information below this chart for more details.	
	STEREO:	Directs the sound to the Left and Right speakers as supplied by the program. Stereo is the recommend choice: The TV switches automatically between the STEREO and MONO modes depending on the type of signal being received.
	MONO:	Directs the same sound to both Left and Right speakers, even if the program being received is in stereo.
	2ND AUDIO/ SAP:	Directs the sound for the Second Audio Program (second language) to both the Left and Right speakers. SAP sound is always monaural. If SAP is selected, you hear the SAP (usually a second language). When the SAP broadcast ends, the TV switches automatically (defaults) to the type of signal being received, STEREO or MONO. The TV switches back to 2ND AUDIO/SAP when the SAP broadcast resumes.
SEQ (Spatial Equalization)	Produces a spacious and more tonal sound. SEQ is only available while a stereo signal is being received and processed by the TV.	
Surround	Adjusts the level of Surround Sound provided to the optional surround sound speakers. Surround Sound is only available if a surround encoded stereo signal is being received and STEREO is either selected using the AUDIO option or selected by default.	
Null (Some Models Only)	Used to Minimize front channel sound from coming through the surround speakers . To adjust the Null, while watching a Dolby Surround video tape, select **Null** and use the Left/Right keys to remove any dialogue that may be heard from the surround speakers.	

NOTE:
- All adjustments on the AUDIO MENU are optional. You do not have to use these features in order to use your TV.

VIDEO MENU

	Contrast
VIDEO	Brightness
	Color
	Tint
	Sharpness
	Color Temp
	Video Filter
	Auto Flesh
	Picture Pref
	Projo Setup

MENU OPERATION

Press MENU repeatedly until the AUDIO MENU is shown.

Press the Up/Down keys until the desired option is either highlighted or selected.

Press the Left/Right keys to adjust the selected option.

Press QUIT or wait a few seconds for the TV to return to normal operation.

Contrast	Adjusts the overall contrast and color level of the picture.
Brightness	Adjusts the brightness level of black areas in the picture.
Color	Adjusts the intensity of the colors in the picture.
Tint	Adjusts the color of the flesh tones.
Sharpness	Adjusts the clarity of the edges around objects for the clearest picture quality.
Color Temp (Temperature)	Changes the "color temperature" or picture white balance between cooler natural whites and warmer (red) colors.
Video Filter	Reduces video "noise" or interference in dark picture areas resulting in clearer overall pictures.
Auto Flesh	Automatically maintains natural skin tones under changing scene and video source conditions.
Picture Pref. (Preference)	Lets you decide if you want to use your own CUSTOM video settings, the factory PRESET video settings or the factory preset THEATER video settings. The THEATER settings are preset to provide optimum visual performance in low light "theater-like" conditions
Projo Setup	Lets you verify and adjust, if needed, the dynamic color convergence of the TV picture. See the information following this chart for more details.

VIDEO MENU

PROJO SETUP

If you move your TV from its original location, or if after time, you notice color "fringes" around objects in the picture, you may want to realign the colors by adjusting the convergence as described in the following steps.
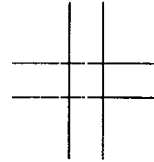
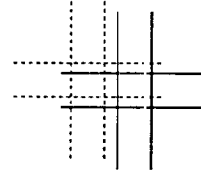| Converge Colors |
| --- |
| • Press the Up/Down keys to select **Projo Setup**. |
| • Press the Left/Right keys to view the "Converge" lines. |
| • Press Source key to select either RED or Blue lines to converge. |
| • Press the Up/Down and Left/Right arrow keys to place the color lines directly on top of the white lines. (Do this for both colors of necessary.) |

NOTES:

* Any adjustments made to the Video Menu settings while Picture Pref. is in PRESET mode will automatically store the current settings as the CUSTOM setting.

* Each time the TV is moved to a different location, the convergence should be checked.

PRESS SOURCE KEY TO SELECT COLOR
PRESS ARROW KEYS TO CONVERGE RED
(OR BLUE)

Four intersecting WHITE lines indicate properly converged television: No adjustment is necessary.

PRESS SOURCE KEY TO SELECT COLOR
PRESS ARROW KEYS TO CONVERGE RED
(OR BLUE)

Four RED (or Blue) lines offset from the WHITE lines indicate converging is necessary. Follow the steps to align the color lines with the white lines.

PIP MENU
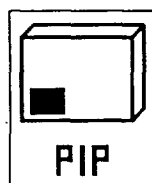
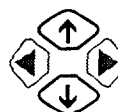| PIP	PIP Color
	PIP Tint
	PIP Size

Press ◄► To View

NOTE: Selecting the PIP Menu does not "activate" PIP. However, a PIP inset will appear during menu operation to show the effect of any setting changes.
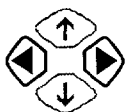
MENU OPERATION

Press MENU repeatedly until the PIP MENU is shown.

Press the Left/Right keys to adjust the selected option.

Press the Up/Down keys until the desired option is either highlighted or selected.

Press QUIT or wait a few seconds for the TV to return to normal operation.

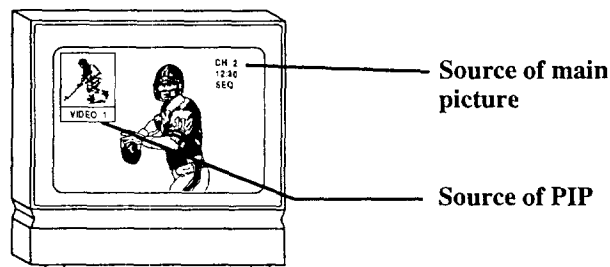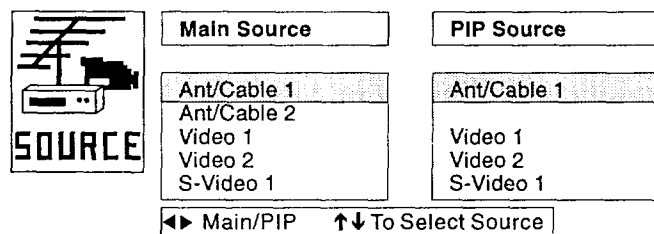| PIP Color	Adjusts the intensity of the colors in the PIP inset.
PIP Tint	Adjusts the color of the flesh tones in the PIP inset, where G is Green and R is Red.
PIP Size	Adjusts the size of the PIP inset. Choose between small or large.

PIP OPERATION

INTRODUCTION

Your TV must be connected to two separate sources in order to view a different picture in the PIP inset from that which is showing in the main picture area of the TV. One source (such as an antenna) must be connected to the ANT/CABLE 1 or 2 jack. The other source (such as a VCR) must be connected to the VIDEO 1 or 2 jacks.

The most common use of PIP is to view two different channels; one from the channel selector of the TV and the other from the channel selector of the VCR. For example, you can view two sporting events or two movies at the same time.

SELECTING MAIN PICTURE AND PIP INSET SOURCES

Main Source	PIP Source
Ant/Cable 1	Ant/Cable 1
Ant/Cable 2	
Video 1	Video 1
Video 2	Video 2
S-Video 1	S-Video 1

◄► Main/PIP   ↑↓ To Select Source

Source of main picture

Source of PIP

| Select Main Picture Source	Select PIP Picture Source
• Select TV mode of operation on the remote.	• Select TV mode of operation on the remote.
• Press SOURCE on the remote control to immediately view the Source Menu.	• Press SOURCE on the remote control to immediately view the Source Menu.
• Press the Left/Right keys to select Main Source column.	• Press the Left/Right keys to select PIP Source column.
• Press the Up/Down keys to choose the desired input source.	• Press the Up/Down keys to choose the desired input source.
• Press QUIT or wait a few seconds for the TV to return to normal operation.	• Press QUIT or wait a few seconds for the TV to return to normal operation.

PICTURE-IN-PICTURE FUNCTIONS

PIP
Press the PIP key to display the PIP inset. Press it again to remove the PIP inset.

Moving the PIP Inset
Use the Left/Right and Up/Down arrow keys to move the PIP inset to the desired corner of the TV screen.
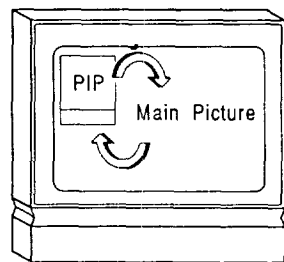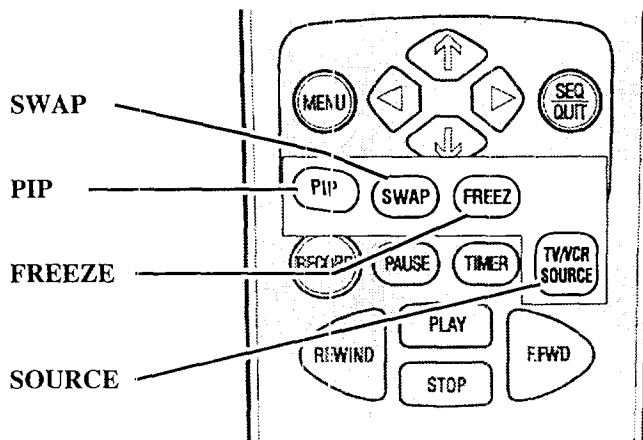

SWAP
Press SWAP to swap the main picture with the PIP inset. Press SWAP again to return to the original display.

PIP Size
Select PIP Size in the PIP Menu to choose between seeing a small or large PIP inset.

FREEZE
Press FREEZE to freeze motion of the picture shown in the PIP inset. Press FREEZE again to return to a live PIP inset.

SWAP

PIP

FREEZE

SOURCE

PIP Buttons
(Typical Remote Control; your remote may differ from unit shown.)
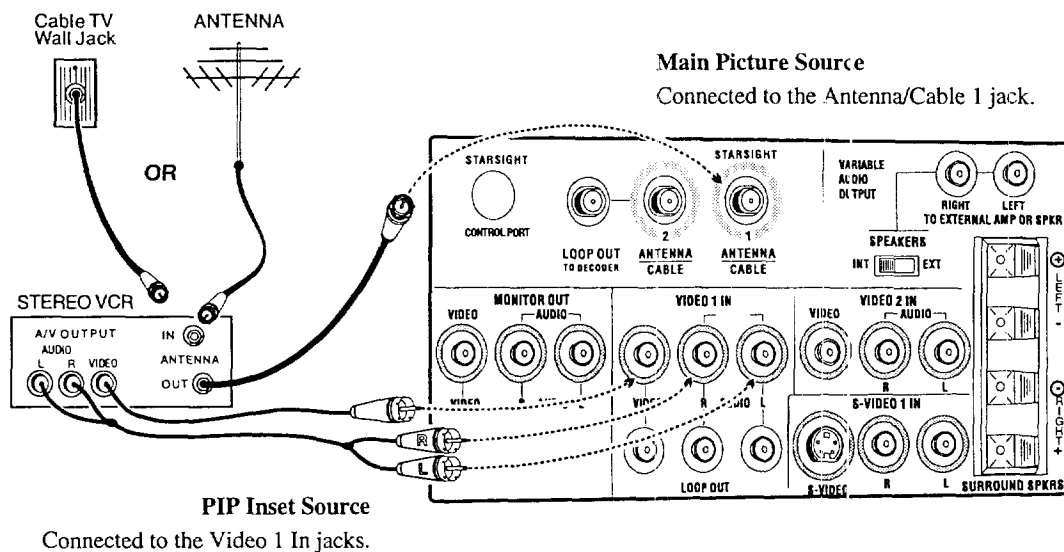
PIP OPERATION

OPERATION WITH ANTENNA OR DIRECT CABLE

This illustration shows the basic connection of your TV to a stereo VCR. With your equipment setup in this manner, your television has the following PIP capabilities:

- Simultaneously view a video tape playing in the VCR and a channel selected by the TV's tuner.

- Simultaneously view two different channels; one selected by the TV's tuner and another using the VCR's tuner.

- Swap the main picture and the PIP inset.

PIP VIEWING OPTIONS	
Viewing Two Different Channels	**Viewing a Video Tape and a TV Channel**
• Set VCR's TV/VCR* switch to TV.	• Set VCR's TV/VCR* switch to TV.
• Select Ant/Cable 1 as the Main Source in the **Source Menu** .	• Select Ant/Cable 1 as the Main Source in the **Source Menu** .
• Select Video 1 as the PIP Source in the **Source Menu** .	• Select Video 1 as the PIP Source in the **Source Menu** .
• Select a channel with the TV's channel selector.	• Select a channel with the TV's channel selector.
• Press PIP key to activate PIP.	• Press PIP key to activate PIP.
• Select a PIP channel using the VCR's channel selector.	• Play a tape in the VCR and view it in the PIP inset. (Make sure VCR's TV/VCR* switch is still set to TV.)

* May be labeled TV/Video.

Option 1:   Antenna or Direct Cable Connection To VCR.
(Optional cables are not supplied with television.)

PIP OPERATION

OPERATION WITH DIRECT CABLE VIA LOOP OUT

With your equipment setup in this manner, your television has the following PIP capabilities:

- Simultaneously view a video tape playing in the VCR and a basic cable channel selected by the TV's tuner.

- Simultaneously view two different channels; one basic cable channel selected by the TV's tuner and a second basic cable channel selected by the VCR's tuner.

- Swap the main picture and the PIP inset.

NOTE:

- The cable channels you can view depends on the service you have purchased from your cable company.

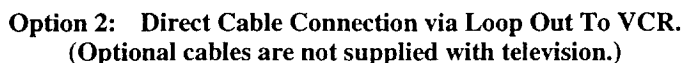| PIP VIEWING OPTIONS	
Viewing Two Different Cable Channels	Viewing a Video Tape and a Cable Channel
• Select Ant/Cable 2 as the Main Source in the **Source Menu**.	• Select Ant/Cable 2 as the Main Source in the **Source Menu**.
• Select Video 1 as the PIP Source in the **Source Menu**.	• Select Video 1 as the PIP Source in the **Source Menu**.
• Select a channel with the TV's channel selector.	• Select a channel with the TV's channel selector.
• Press PIP key to activate PIP.	• Press PIP key to activate PIP.
• Set VCR's TV/VCR* switch to TV.	• Set VCR's TV/VCR* switch to TV.
• Select a PIP channel using the tuner in the VCR.	• Play a tape in the VCR and view it in the PIP inset. (Make sure VCR's TV/VCR* switch is still set to TV.)

* May be labeled TV/Video.

Cable TV Wall Jack

Main Picture Source
Connected to the Antenna/Cable 2 jack.

STEREO VCR

PIP Inset Source
Connected to the Video 1 In jacks.

**Option 2: Direct Cable Connection via Loop Out To VCR.
(Optional cables are not supplied with television.)**

PIP OPERATION

OPERATION WITH CABLE DECODER

With your equipment setup in this manner, your television has the following PIP capabilities:

- Simultaneously view a video tape playing in the VCR and a basic cable channel selected by the TV's tuner.

- Simultaneously view two different channels; one basic cable channel selected by the TV's tuner and a scrambled (premium) cable channel selected by the VCR's tuner.

- Swap the main picture and the PIP inset.

NOTE:

- The cable channels you can view depends on the service you have purchased from your cable company.

PIP VIEWING OPTIONS	
Viewing Two Different Cable Channels	**Viewing a Video Tape and a Cable Channel**
• Select Ant/Cable 2 as the Main Source in the **Source Menu**.	• Select Ant/Cable 2 as the Main Source in the **Source Menu**.
• Select Video 1 as the PIP Source in the **Source Menu**.	• Select Video 1 as the PIP Source in the **Source Menu**.
• Select a channel with the TV's channel selector.	• Select a channel with the TV's channel selector.
• Press PIP key to activate PIP.	• Press PIP key to activate PIP.
• Set VCR's TV/VCR* switch to TV.	• Set VCR's TV/VCR* switch to TV.
• Select a PIP channel using the tuner in the Cable Box.	• Play a tape in the VCR and view it in the PIP inset. (Make sure VCR's TV/VCR* switch isstill set to TV.)

* May be labeled TV/Video.
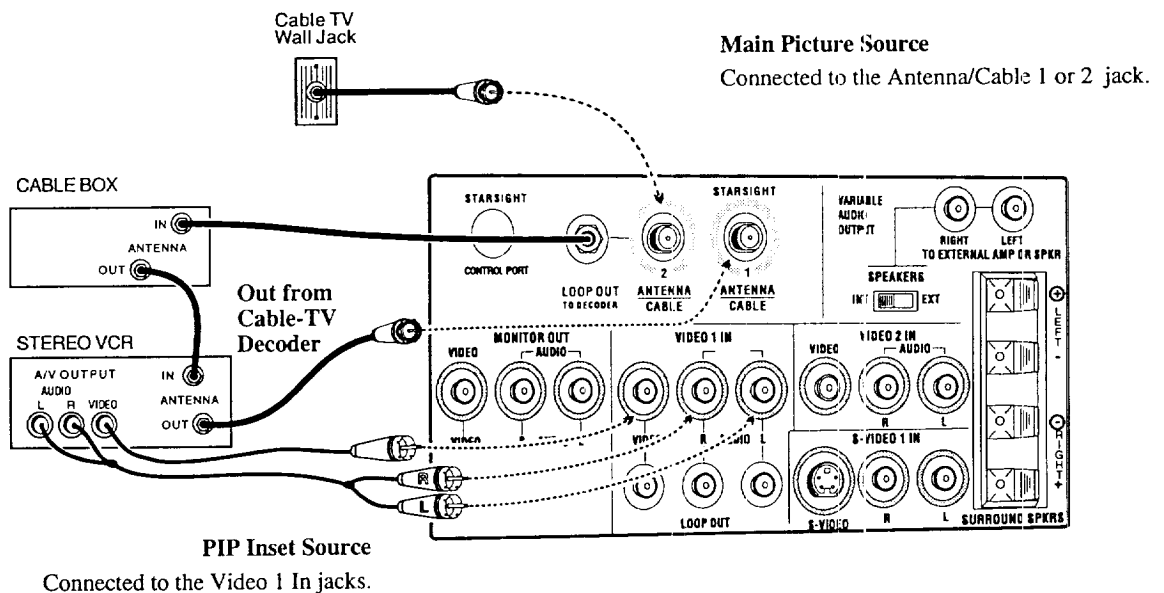
Option 3:   Cable-TV Decoder Connection via Loop Out To VCR.
(Optional cables are not supplied with television.)

MAINTENANCE AND TROUBLESHOOTING

CARING FOR YOUR PROJECTION TV

Your projection TV will look better, have a longer life and perform better if you care for it properly.

First check to see that the TV is off. For added safety, disconnect AC power to your TV.

NOTE: If you unplug your TV, you will have to reset the clock to the current time.

Cabinet Care

Non-Wood Cabinet or Cabinet Components Moisten a soft cloth with a mild soap solution or Ivory dishwashing detergent. Wipe the surface with a damp cloth. Then rinse the cloth in clean water and wipe the surface again. Allow the TV to air-dry before turning it on.

Wood Cabinets or Cabinet Components Use any good furniture cleaner and polish. Regular care will help preserve the finish.

Picture Screen Cleaning

Use a soft cloth moistened with warm water and rub lightly in the soiled areas of the screen. DO NOT USE A TISSUE OR PAPER TOWEL, AS THESE MAY DAMAGE SURFACE. Wipe only in the vertical (up/down) direction (along the grooves). If there is a dirt buildup, a mild solution of warm water and Ivory dishwashing detergent may be used. Use dry soft cloth to dry the screen. Care should be taken to avoid scratches or damage to the screen surface.

NOTE — The TV screen is easily damaged. Avoid accidental contact with the screen.

EXTENDED ABSENCE

Before an extended absence (such as a vacation) you may want to disconnect AC power to your TV. This will protect the projection TV from possible damage from lightning or power line surges. If you have an outdoor antenna, you may also want to disconnect the antenna from the wall plate connection center

NOTE: If you unplug your TV, you will have to reset the clock to the current time.

PICTURE INTERFERENCE

Your picture may be affected by interference caused by one or a number of factors. These include:

Speckled or Streaked Picture Can be caused by nearby automobile ignition, electrical appliances, etc. This is most noticeable in weak signal areas.

Snow in Picture Caused by insufficient signal. Usually caused by the TV being located too far from the TV station or by an improper antenna installation.

Ghosts or Reflections Caused by signals being reflected from surrounding buildings, water tanks, or other high structures.

Radio Signal Police, amateur or CB radio transmitters may cause interference.

These interference problems can often be corrected through the use of a better antenna, signal amplifiers, or various filter devices. See your TV dealer for additional information, and accessories available for your projection TV.

MAINTENANCE AND TROUBLESHOOTING

BEFORE CALLING FOR SERVICE

Check these items and see if you can correct the trouble by changing the adjustment of a control or the setting of a switch. By making these simple checks before calling for service, you may save time and money.

Problem	Try This
Picture OK. Poor sound.	Re-orient antenna. Try another channel — possible station trouble. Adjust AUDIO MENU options. Check for local interference. Is antenna/cable connection loose?
Sound OK. Poor picture.	Re-orient antenna. Try another channel — possible station trouble. Adjust VIDEO MENU options. Trouble with cable-TV system? Is antenna/cable connection loose?
No picture or sound.	Is TV on? Is there power in wall outlet? Is TV plugged in? Is antenna hooked up? Is cable hooked up? Trouble with cable-TV system? Check auxiliary audio/video equipment. Check channel selection. Is the channel blocked by PARENTAL CONTROL?
Picture blurred or distorted. Ghost in picture.	Check antenna or cable hook up for broken wires. Try another channel — possible station trouble. Check for local interference.
No color, or poor color.	Is it a color program? Check antenna or cable hook up for broken wires. Adjust VIDEO MENU options.
No sound.	VOLUME (VOL) setting may be too low. Check MUTE button operation on remote control. Is Speaker EXT/INT switch set to EXT?
Cannot select certain channels.	Channels may be skipped in CH. ADD/DEL option of SETUP MENU. Use AUTO PROGRAM a second time.
No closed captions	Are captions available? Is CAPTION 1, CAPTION 2, CAPTION 3, OR CAPTION 4 selected using the CAPTIONS option on the SETUP MENU?
Black or blue box covers half of screen.	Is text information available? Is TEXT 1, TEXT 2, TEXT 3 or TEXT 4 selected in the CAPTIONS option of the SETUP MENU.
No picture or sound when VIDEO 1 or VIDEO 2 source is selected.	Is audio/video source hooked up properly? Are all wires connected to VIDEO 1 IN or VIDEO 2 IN jacks on connection center?
No stereo sound or weak stereo sound when using a stereo VCR.	Check AUDIO mode. Was stereo sound present before selecting VIDEO 1 or VIDEO 2 source?
PIP inset frame is black or lacks contrast when selecting VIDEO 1 for PIP inset.	Adjust PIP COLOR AND CONTRAST settings in PIP MENU. Are all wires connected to VIDEO 1 IN jacks on connection center?
PIP inset frame is "snowy" when using ANT/CABLE 1 or 2 for PIP and VIDEO 1 for main picture.	Is TV/VCR switch on the VCR in the TV position?
No picture when using VIDEO 1 for PIP inset source and ANT/CABLE 1 or 2 for main picture.	Is TV/VCR switch on the VCR in the TV position?
Remote control does not work.	Are batteries okay? Is TV turned ON? Is remote in TV mode?

Always request that your technician use only genuine Zenith exact replacement parts for continued Quality and Safety performance. Keep your Zenith ALL Zenith.

NOTES:

• If your TV fails to respond to the PICTURE PREF. selection, or to any other menu selection, you must reset the TV. Simply disconnect the AC power cord from the power outlet. Wait a few minutes, then plug the TV back into the power outlet. You will have to reset the clock to the current time.

• Unplugging the TV does not deactivate the Parental Control.

REPLACEMENT PRODUCT REGISTRATION CARD

You could win a full refund on your new Zenith product.

Look for the Product Registration Card on your new video product.

Each month a drawing is held by Zenith from the completed Product Registration Cards received during the preceding month. Zenith will reimburse the winner for the full purchase price of the product purchased.

In order to participate, simply complete and return the Product Registration Card at once, even if you choose not to complete the information and interests portion of the questionnaire.

The odds of winning the free drawing described above, depend on the number of participants. Free drawing offer is void in Canada and other places where restricted or prohibited by law. Offer is void for Hotel/Motel and Institutional models. Rental models are not eligible.

Product Card lost or misplaced?

The Product Registration Card furnished with your video product is pre-printed with its Model and Serial numbers. Please fill out the card and mail it at your earliest convenience. It is imperative that Zenith know how to reach you promptly if we discover a safety problem that would affect you. If the original card has been lost or misplaced, you may use the replacement card provided below. Either card will qualify you for the free drawing, but you are limited to only one entry in the drawing. Complete the card, place it in an envelope and mail it to:

Zenith Electronics Corporation
P. O. Box 173257
Denver, CO 80217-3257

Use the replacement Product Registration Card only if the original card has been misplaced or lost.

PHOTOCOPY AND CUT ALONG DASHED LINE

Zenith Product Registration Card   H5Z01-01

① **Please Print Clearly or Type**   ② **Area Code Telephone**

1. ☐ Mr.   2. ☐ Mrs.   3. ☐ Ms.   4. ☐ Miss

First Name   **Initial Last Name**

Street   **Apt. No.**

City

                                                        ③ **Date of Purchase**

State   Zip Code   **Mo.   Day   Yr.**

MODEL NUMBER											

Copy Numbers Here
From Label on Set

Please record the model number and serial number from the sticker on the back of your set.

SERIAL NUMBER											

TVCARD3

AVISO PARA NUESTROS CLIENTES DE HABLA HISPANA

Zenith publica muchos de sus manuales de instrucciones en idioma español. Si le interesa pedir la versión en español de este manual, llene el formulario provisto a continuación, fotocópielo y envíelo a la dirección indicada.

No todos los manuales de instrucciones están disponibles en español. Sin embargo, podemos proporcionarle el manual que corresponde a un modelo similar a este, en el cual se describen casi todas las características del producto que usted utiliza.

El manual en español es gratis.

Instrucciones:

1. Llene el formulario proporcionado a continuación con la información solicitada.

2. Haga una fotocopia del formulario de pedido y envíela a:

Service Literature Department
Zenith Video Tech Corporation
1000 N. Milwaukee Avenue
Glenview, IL 60025

Fotocopie la p gina y corte la línea punteado

Formulario de pedido de su manual de instrucciones   206-2948 R-C8

El producto: ☒ Televisor   ☐ Videograbadora   ☐ Otro

Número de modelo _____ (lo encontrará en la parte posterior del aparato)

Nombre _____

Dirección _____   Apartamento _____

Ciudad _____ Estado _____ Código postal _____

BROKEN OR LOST REMOTE CONTROL?

For an **Exact Replacement Remote Control** for your new Zenith Television, see your local Zenith Dealer or order direct by calling 1-800-255-6790. To assure the correct remote for your new Zenith, please have your television's model number ready!

ONLY $39.95

OTHER FINE ACCESSORIES FOR YOUR TELEVISION.

Wireless Speaker System:

- Wireless speakers receive sound from TV, VCR, or Stereo **through walls, floors, or outside**.
- Creates an instant home entertainment center!
- Speakers are easy to move--"no cord clutter." An attractive addition to any room.
- Works up to 150 feet! **Indoors and outdoors.**
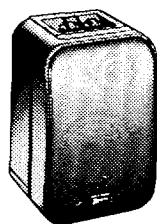
ZEN800
WIRELESS
SPEAKER SYSTEM
ONLY $249.95

Wireless Headphone System:

- Wireless Headphones receive sound from TV, VCR or Stereo **through walls, floors or outside**.
- Allows freedom of activity while relaxing or working around your home.
- Great for bedroom TV--listen without disturbing others.
- Works up to 150 feet! **Indoors and outdoors.**
- Great for the hearing-impaired.

ZEN801
WIRELESS
HEADPHONE SYSTEM
ONLY $119.95

CV4000 Surround Sound Stereo Speakers:

- A Sound so real...almost as if you were part of the action!
- An ideal addition to any Home Theater system.
- Contemporary black finish complements any room.
- For use with any Surround Sound compatible TV.
- Bookshelf size, can be wall mounted or set on a shelf.
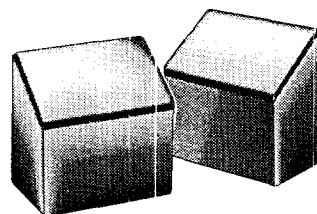
CV4000
STEREO SPEAKERS:
ONLY $124.95

PHOTOCOPY PAGE AND DETACH HERE

To order these fine accessories, please fill out this card and return a photocopy to:

Attn: Accessory Offers
Zenith Video Tech Corporation
1900 N. Austin Avenue
Chicago, IL 60639

or call **1-800-255-6790**

☐ Check or money order
(Made payable to Zenith Video Tech Corp.)

☐ Visa ☐ Mastercard

Account #

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Expiration Date: _____ Signature: _____

IMPORTANT: PLEASE BE SURE TO COMPLETE THE INFORMATION BELOW.

TV Model Number   TV Serial Number   Mo. Day Yr.
(from sticker on back of unit) (from sticker on back of unit) (Approx. date of purchase.)

PLEASE ALLOW UP TO 3 WEEKS FOR DELIVERY. THANK YOU!

TVACCS4
1/14/95

ITEM NUMBER	DESCRIPTION	QUANTITY	PRICE PER ITEM	TOTAL PRICE

Sales Tax: Please add your state sales tax if you live in one of the following states.

CA 7 3/4%. GA 4%, IL 8 3/4%, KS 4.9%, KY 6%, ME 8%, PA 8%, RI 7%, TX 7 3/4%, VA 4 1/2%, WA 8.2%.

SUBTOTAL	
STATE SALES TAX	
SHIPPING & HANDLING	$4.50
TOTAL AMOUNT OF ORDER	

SHIP TO:

Telephone: ( ) _____

Name: _____

Address: _____

Apt. # _____ City _____

State _____ Zip Code _____

NOTE: Orders can only be sent to customers within the United States.

YOUR ZENITH WARRANTY

Consumer Protection Plan for Zenith Projection TV

Welcome into the Zenith family! We believe that you will be pleased with your new Zenith Projection TV. Please read this Consumer Protection Plan carefully. It is a "ONE YEAR FULL WARRANTY," plus a limited second year picture tube warranty, as defined under federal law. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state within the U.S.A.

Zenith's Responsibility

Service Labor and Parts — During a period of one year from effective warranty date, Zenith will supply new or remanufactured replacement picture tubes or other parts, and will pay for service labor by a Zenith Authorized service center, when such parts or service labor are needed to repair the product as a result of manufacturing defects. Further, Zenith will supply a new or remanufactured replacement for any picture tube which fails during the second year after effective warranty date because of a manufacturing defect. Replacement parts are warranted for the remaining portion of the original warranty period. The above service labor warranty applies only in the U.S.A.

On-Site Service — Warranty service is provided when the Projection TV is installed.

Not Covered — This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls in the home, installation or repair of home antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety.

Owner's Responsibility

Effective Warranty Date — Warranty begins on the date of original consumer installation. For your convenience, keep the dealers dated bill of sale or delivery ticket as evidence of the purchase date.

Operating Guide — Read your Operating Guide carefully so that you will understand the operation of your set and how to adjust the customer controls.

Antenna — Reception problems caused by inadequate home antennas or faulty antenna connections are the owner's responsibility.

Important: Product Registration — Please fill out and mail your Owner Registration Card. It is imperative that Zenith know how to reach you promptly if we should discover a safety problem that could affect you.

Warranty Service — For warranty service information, contact any Zenith Authorized service center. Parts and service labor that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call or write:

> **Zenith Electronics Corporation**
> Customer Service Department
> 1000 N. Milwaukee Avenue
> Glenview, IL 60025
> Telephone: (312) 745-5152
> Mon-Fri, 8:00 a.m. - 4:30 p.m. Central Time

NOTE: Before you ask for Warranty service, check the Operating Guide section entitled, "MAINTENANCE AND TROUBLESHOOTING." It may be possible to avoid a service call.